

Larry Hogan, Governor · Boyd K. Rutherford, Lt. Governor · Robert R. Neall, Secretary

May 3, 2018

The Honorable Thomas M. Middleton Chair Senate Finance Committee 3 East Miller Senate Office Bldg. Annapolis, MD 21401-1991

The Honorable Shane E. Pendergrass Chair House Health and Government Operations Committee 241 House Office Bldg. Annapolis, MD 21401-1991

RE: HB 70 – DHMH – Commissions, Programs and Reports – Revision (Ch. 656 of the Acts of 2009), and Health – General § 15-103.5 and Insurance Article § 19-807(d)(2)

Dear Chair Middleton and Chair Pendergrass:

In 2009, the General Assembly passed HB 70 – Commissions, Programs and Reports – Revision (Ch. 656 of the Acts of 2009), which consolidated two physician fee reporting requirements for the Medical Assistance Program. The Department of Health and Mental Hygiene is now required to submit a single report on physician fee issues to the legislature by January 1 each year.

The enclosed report includes a review of the rates paid to providers under the federal Medicare fee schedule and a comparison of those rates to the fee-for-service rates paid to similar providers for the same services under the Medical Assistance program and the rates paid to managed care organization providers for the same services; whether the fee-for-service rates and MCO provider rates will exceed the rates paid under the Medicare fee schedule; an analysis of other states' rates compared to Maryland; the schedule for raising rates; and an analysis of the estimated cost of implementing these changes.

If further information on this subject is required, please contact Webster Ye, Deputy Chief of Staff, at (410) 260-3190 or webster.ye@maryland.gov.

Sincerely,

Robert R. Neall

Secretary

Enclosure

cc:

Edward J. Kasemeyer, Chair, Senate Budget and Taxation Committee Maggie McIntosh, Chair, House Appropriations Committee

Sarah Albert, MSAR #7893 and #7417

Report on the Maryland Medical Assistance Program and the Maryland Children's Health Program – Reimbursement Rates Fairness Act

Submitted by the Maryland Department of Health

May 2018

Report on the Maryland Medical Assistance Program and the Maryland Children's Health Program – Reimbursement Rates Fairness Act

January 2018

I.	Introduction	3
II.	Background	3
III.	Physician Fee Changes in FYs 2010 – 2017	
	Physician Fees for FY 2010	
	Physician Fees for FY 2011	6
	Physician Fees for FY 2012	
	Physician Fees for CYs 2013 and 2014	7
	Federal Share of Fee Increases for Primary Care Physicians	7
	Physician Fees for FYs 2015 – 2017	9
IV.	Maryland's Medicaid Fees Compared with Medicare and Other States' Fees	10
	Comparisons of Evaluation and Management and Specialty Procedures	11
V.	Trauma Center Payment Issues	35
VI.	Reimbursement for Oral Health Services	35
VII.	Physician Participation in the Maryland Medicaid Program	37
	Comparison of Access to Medical Care for Medicaid and Private Coverage	40
VIII.	Plan for the Future	41
Appen	ndix A: Medicare Resource-Based Relative Value Scale and Anesthesia Reimburse	ement 43
Resou	rce-Based Relative Value Scale	43
Appen	ndix B: Number of Physicians and Dentists in Each State and per 10,000 Population	on in CY
2017		45

Report on the Maryland Medical Assistance Program and the Maryland Children's Health Program – Reimbursement Rates Fairness Act January 2018

I. Introduction

Pursuant to SB 481 (Chapter 464 of the Acts of 2002), the Maryland Department of Health (the Department) established an annual process to set the fee-for-service (FFS) reimbursement rates for Maryland Medicaid and the Maryland Children's Health Insurance Program (CHIP) (together referred to as Maryland Medical Assistance) in a manner that ensures provider participation in the programs. The law further stipulates that, in developing the rate-setting process, the Department should take into account community reimbursement rates and annual medical inflation or utilize the Resource-Based Relative Value Scale (RBRVS) methodology and American Dental Association Current Dental Terminology (CDT-3) codes to set the Medicaid fee schedule. The RBRVS methodology is used by the Centers for Medicare & Medicaid Services (CMS) for the Medicare fee schedule.

The law also directed the Department to subminant annual report to the Governor and various state House and Senate committees, addressing the following:

- The progress of the rate-setting process
- A comparison of Maryland Medicaid's reimbursement rates with those of other states
- The schedule for adjusting Maryland's reimbursement rates to a level that ensures provider participation in the Medicaid program; and
- The estimated costs of implementing the above schedule and proposed changes to the FFS reimbursement rates

In addition, Section 15 of HB 70 (Chapter 656 of the Acts of 2009) requires the Department to review the rates paid to providers under the federal Medicare fee schedule and compare them with the FFS rates for the same services paid to providers under the Maryland Medical Assistance program and within managed care organizations (MCOs). On or before January 1 of each year, the Department must report this information and determine whether the FFS rates and MCOs' provider rates will exceed the rates paid under the Medicare fee schedule. This report satisfies these requirements.

II. Background

In September 2001, in response to HB 1071 (Chapter 702 of the Acts of 2001), the Department prepared its first annual report analyzing the physician fees paid by Maryland Medicaid and CHIP. In 2002, SB 481 required the submission of this report on an annual basis. This is the seventeenth annual report.

¹ The RBRVS methodology relates payments to resources that physicians use and the complexity of the services they provide. See Appendix A for a more detailed description of the RBRVS methodology. The Department used this methodology as a benchmark, or point of reference, when it increased physician fees in fiscal years 2003 and 2006–2009, and subsequently in fiscal years 2013 – 2017.

The Department's first annual report showed that Maryland Medicaid's reimbursement rates in 2001 were, on average, approximately 36 percent of Medicare rates. Results from an American Academy of Pediatrics study from 1998–1999 included in the report showed that Maryland's physician reimbursement rates for a subset of procedures ranked 47th among all Medicaid programs in the country. Based on the 2001 report, the Governor and the state legislature allocated \$50 million in additional total funds (\$25 million state general funds) to increase physician fees in the Medicaid program beginning July 2002. The increase targeted evaluation and management (E&M) procedure codes, which are used by both primary care and specialty care physicians.

SB 836 (Chapter 1 of the Acts of 2005) allocated funds to the Maryland Medical Assistance program to increase both FFS physician reimbursement rates and capitation payments to MCOs to enable them to raise their physician fees. The legislation also allocated \$15 million in additional state funds (\$30 million total funds) in fiscal year (FY) 2006 to increase fees for procedures commonly performed by obstetricians, neurosurgeons, orthopedic surgeons, and emergency medicine physicians. The legislation increased the fees for these physician specialties in response to the substantial rise in their malpractice insurance premiums.

SB 836 also created the Maryland Health Care Provider Rate Stabilization Fund (the Fund), which is administered by the Maryland Insurance Commissioner. The Fund was established in part to increase and maintain prior increases in physician fees through the Maryland Medical Assistance program. The Fund's primary revenues are derived from a tax imposed on MCOs and health maintenance organizations (HMOs). Table 1 shows the amounts of Rate Stabilization Funds that were used to increase and maintain prior increases in physician fees from FY 2006 – FY 2009.

Table 1. Rate Stabilization Funds Used to Increase and Maintain Physician Fees, FY 2006 – FY 2009 (Million Dollars)

	2006	2007	2008	2009
State Rate Stabilization Funds	\$15.0	\$28.8	\$47.5	\$67.1
Federal Matching Funds	\$15.0	\$28.8	\$47.5	\$67.1
Total Funds	\$30.0	\$57.6	\$95.0	\$134.3
Funds to Maintain Prior Fee Increases	\$0.0	\$32.4	\$62.2	\$102.6
Remaining Funds for Fee Increases	\$30.0	\$25.2	\$32.8	\$31.7

Finally, SB 836 requires the Department to consult with the MCOs that participate in the HealthChoice program, the Maryland Hospital Association, the Maryland State Medical Society (MedChi), the Maryland Chapter of the American Academy of Pediatrics, the Maryland Chapter of the American College of Emergency Physicians, the Maryland State Dental Association, and

² To ensure that the MCOs use increased capitation payments to raise their physician fees, the Department requires MCOs to pay their network physicians at least 100 percent of the Medicaid physician fee schedule.

the Maryland Dental Society to determine the new payment rates each year. These organizations are collectively referred to as stakeholders in this report.

For FYs 2007 and 2008, based on stakeholders' recommendations, the Department increased fees for procedures in different specialties, as shown in Table 2. In addition, procedures with the lowest fees were raised to a minimum of 50 percent of Medicare fees in FY 2008. Subsequently, the Department implemented other fee changes for FY 2009. In previous years, the fees for many specialties, including orthopedics, gynecology/obstetrics, neurosurgery, otorhinolaryngology (ENT), and emergency medicine were set at 100 percent of their corresponding Medicare fees. Medicare fees in general had not increased substantially. However, updates in relative value units (RVUs) led to decreases in Medicare fees for many procedures, which resulted in Maryland Medicaid fees for some of these procedures exceeding Medicare fees. At the same time, Medicaid fees for other procedures remained at 50 percent of Medicare fees. Therefore, based on stakeholders' recommendations, the Department increased the lowest Medicaid fees and rebalanced Medicaid fees that were higher than their corresponding Medicare fees.

Furthermore, separate fees for different sites of service were established in FY 2009 so that Medicaid fees would have site-of-service differentials for facilities and non-facilities. "Facilities" include inpatient hospitals, skilled nursing facilities or long-term care facilities, and other medical care facilities, whereas "non-facilities" include physician offices and homes of patients. Medicaid fees that were higher than their corresponding Medicare fees were reduced to the Medicare fee levels by site of service, and the lowest fees were raised to 79 percent of their corresponding Medicare fees by site of service.

The Department used the Medicare fee schedule as a benchmark, or point of reference, when it increased physician fees in fiscal years 2003 and 2006 - 2009. Table 2 shows the percentage of Medicare fees for targeted groups of procedures at the time of fee increases in FYs 2003 and 2006 - 2009.

Table 2. Prior Fee Increases to Percentage of Medicare Fees (FYs 2003 and 2006 - 2009)

Fiscal Year	Procedure Code Group	Percent of Medicare Fees at Time of Fee Increase
2003	Evaluation & Management (99201-99499)	80%
2006	Orthopedics (20000-29999)	100%
	Gynecology/Obstetrics (56405-59899)	100%
	Neurosurgery (61000-64999)	100%
	Emergency Medicine (99281-99285)	100%
2007	Anesthesia (00100-01999)	100%
	General Surgery (10000-19396)	80%
	Digestive System (40490-49905)	80%
	ENT (69000-69990, 92502-92700)	100%
	Radiation Oncology (77261-77799)	80%
	Allergy/Immunology (95004-95199)	80%
	Dermatology (96900-96999)	80%
2008	Evaluation & Management (99201-99499)	80%
	Evaluation & Management in hospital outpatient departments	50%

Fiscal Year	Procedure Code Group	Percent of Medicare Fees at Time of Fee Increase
	Neonatology (99294, 99296, 99299)	90%
	Radiology (70010-79900, excluding 77261-77799)	53%
	Vaccine Administration	66%
	Psychiatry (90801-90911)	61%
	Floor for the lowest fees	50%
2009	Set separate fees for facilities and non-facilities	n Z
	Floor for the lowest fees	79%
	Orthopedics (20000-29999)	100%
	Gynecology/Obstetrics (56405-59899)	100%
	Neurosurgery (61000-64999)	100%
	Emergency Medicine (99281-99285)	100%

III. Physician Fee Changes in FYs 2010 – 2017

Physician Fees for FY 2010

The national economic recession reduced state revenues in FY 2010 necessitating an \$11 million reduction in physician fee payments. Customized reductions were made to some codes, whereas most other procedures were subject to a 6 percent cut. Certain procedure codes and specialties (i.e., orthopedics, gynecology/obstetrics, neurosurgery, and emergency medicine) were excluded from the reduction in fees. In FY 2010, \$112 million (\$228 million with matching federal funds) was allocated from the Fund to maintain prior fee increases.

Physician Fees for FY 2011

The Medicare program regularly updates RVUs for procedures, resulting in fee *increases* for some procedures and fee *decreases* for other procedures. The Department compared the Maryland Medicaid fee for each procedure with its corresponding Medicare fee and then reduced fees for procedures that exceeded Medicare fees to the Medicare fee levels. Aside from these adjustments, the Department maintained FY 2011 physician fees at the same level as FY 2010 fees. In FY 2011, \$118 million from the Fund (\$239 million with matching federal funds) was allocated to maintain prior fee increases.

Physician Fees for FY 2012

The Department implemented a \$6.5 million total funds reduction in payments for physician services for FY 2012. Some groups of procedure codes were excluded from the reduction in fees, including:

- 1. Fees for the four specialties mentioned in SB 836 (orthopedics, obstetrics/gynecology, neurosurgery, and emergency medicine) were maintained at a maximum of 100 percent of Medicare fees, with no increase in fees.
- Four obstetric (delivery) procedures, three neonatal intensive care unit procedures, and 22 procedure codes used by educational institutions were maintained at their original FY 2011 levels.

Then, an across-the-board one percent reduction in fees was applied to all remaining procedures to achieve the required reduction in FY 2012 payments. Overall, fees were reduced from an average of 75 percent to an average of 74 percent of Medicare 2011 fees. In FY 2012, \$104 million from the Fund (\$212 million with matching federal funds) was allocated to maintain prior fee increases.

Physician Fees for CYs 2013 and 2014

There were no changes in Maryland Medicaid physician fees for the first six months of FY 2013. Under the Affordable Care Act (ACA), the federal government paid for increasing Medicaid payment rates in Medicaid FFS program and MCOs for E&M and vaccine administration procedures provided by primary care physicians (PCPs) to 100 percent of the Medicare payment rates for calendar years (CYs) 2013 and 2014. For services provided between January 1, 2013, and December 31, 2014, states received 100 percent federal financing for increasing payment rates for physicians who self-attested that they were PCPs.

However, Maryland Medicaid allows patients who have medically complex conditions to select specialists to serve as their PCPs. In order to improve access to primary care and specialists physicians, the fees for E&M procedures were increased for *all* providers, not just PCPs. The costs for the fee increase for physicians who did not self-attest as PCPs were financed at the regular federal medical assistance percentage (FMAP).

In the first quarters of CYs 2013 and 2014, CMS released the corresponding average Medicare fees for E&M procedures in the three geographic regions of Maryland. The new fees were retroactive to include services provided on and after January 1 of each year. As specified in the ACA, Medicaid fees that were effective on July 1, 2009, were used to estimate the costs of increasing PCP fees subject to the 100 percent federal financial participation (FFP).

Federal Share of Fee Increases for Primary Care Physicians

The federal government provided 100 percent FFP only for physicians who self-attested that they were PCPs. The Department obtained self-attestations from approximately 3,600 physicians. Claims and encounter data from these physicians were identified, and payments for their 2013 E&M and vaccine administration procedures were projected. Then payments for these procedures for all physicians in CYs 2013 and 2014 were estimated. Base year utilization data for E&M and vaccine administration procedures and the trend factors between the base years and

³ The ACA specifies that higher payment should be applied to primary care services delivered by physicians with the specialty designations of family medicine, general internal medicine, and pediatric medicine.

implementation years, which were used for MCO rate setting, were utilized to estimate the costs of the fee increases in CYs 2013 and 2014, as shown in Table 3.

Table 3. Projected Costs of E&M and Vaccine Administration Fee Increases to 100 Percent of Medicare Fees in CYs 2013 and 2014 (Million Dollars)

Year	Increase in FFS Payments	Increase in MCO Payments	Total Increase in Payments
CY 2013	\$23.7	\$155.5	\$179.2
CY 2014	\$21.6	\$165.6	\$187.2

CMS updated the RVUs for 2014, which resulted in a decrease from the 2013 Medicare fees for E&M procedures. The decrease in estimated FFS payments in 2014 compared with 2013 in part reflects the decrease in Medicare 2014 fees. Enrollment growth related to the ACA's Medicaid expansion resulted in an increase in the estimated payments to MCOs in 2014.

For the FFS system, actual claims data for services provided in CYs 2013 and 2014 by self-attesting PCPs were submitted to CMS to claim the 100 percent FFP. The estimated payments to MCOs shown in Table 3 were multiplied by the corresponding percentages pertaining to self-attesting PCPs to calculate the payments that were subject to 100 percent FFP, as shown in Table 4. To derive the percentages of the total costs of fee increases in Table 4 that were subject to 100 percent federal financing, the estimated payments for E&M and vaccine administration claims and encounter data from self-attesting PCPs were divided by the corresponding estimated payments for all physicians (shown in Table 3).

Table 4. Payments to Self-Attesting Primary Care Physicians as a Percentage of Total Physician Payments for E&M and Vaccine Administration Procedures

Procedures	FFS Payments	MCO Payments	Total Payments
Non-Facility E&M	37%	42%	42%
Facility E&M	25%	17%	18%
Vaccine Administration	74%	68%	69%
Average Total	29.1%	37.2%	36.3%

The pertinent numbers in Tables 3 and 4 correspond to payments for MCOs, as federal payments for FFS were based on actual claims in CYs 2013 and 2014. Because claims and encounter data for self-attesting PCPs are primarily office-based, non-facility services comprise 42 percent of all payments for physician services, compared with only 18 percent of payments for physician services provided in facilities. Overall, the increase in payments to self-attesting PCPs was 36.3 percent of the total cost of the fee increase for these procedures.

To determine the portion of the MCOs' costs of the fee increase, which were subject to 100 percent FFP, the estimated additional payments to MCOs (in Table 3) were multiplied by 37.2 percent. Table 5 shows the Department's estimated cost of fee increases for E&M and vaccine administration procedures in CYs 2013 and 2014 that were subject to 100 percent federal financing.

Table 5. Estimated Costs of Fee Increases for Primary Care Physicians Subject to 100% FMAP (Million Dollars)⁴

	FFS	MCOs	Total
CY 2013	\$6.92	\$57.86	\$64.78
CY 2014	\$6.29	\$61.65	\$67.94

The amount of funding distributed to the Maryland Medical Assistance program from the Fund in FY 2013 was \$109 million. With 50 percent of FMAP allocated for Medicaid and 65 percent for CHIP, the combined total amount of \$222 million was used to maintain prior fee increases and increase provider reimbursement rates.

The amount of funding distributed to the Maryland Medical Assistance program from the Fund in FY 2014 was \$122 million. With matching federal funds for Medicaid at 50 percent and CHIP at 65 percent, total federal matching funds reached approximately \$125 million. The combined total amount of \$247 million was allocated for maintaining provider reimbursement rates. Furthermore, \$9.5 million federal funds were allocated for physician services provided to adults, which were covered by Medicaid expansion under the ACA for the last six months of FY 2014.

Physician Fees for FYs 2015 - 2017

Following expiration of 100 percent FFP for E&M procedures provided by PCPs, Medicaid fees for these procedures were reduced to 87 percent of Medicare fees for April through June of 2015. Subsequently, with the support of the Governor, the Maryland legislature passed laws that increased Medicaid FY 2016 fees for E&M procedures to 92 percent of Medicare 2015 fees.

The amount of funding distributed to the Maryland Medical Assistance program from the Fund in FY 2015 was \$158.5 million. With matching federal funds for Medicaid at 50 percent and CHIP at 65 percent, total federal matching funds reached approximately \$168.8 million. The combined total amount of \$327.3 million was allocated for maintaining provider reimbursement rates. Furthermore, approximately \$31 million federal funds were received for physician services provided to adults, which were covered by Medicaid expansion under the ACA for FY 2015. ⁵

The amount of funding distributed to the Maryland Medical Assistance program from the Fund in FY 2016 was \$153 million. With matching federal funds for Medicaid at 50 percent and CHIP at 82 percent, 6 total federal matching funds reached an estimated \$214 million. The combined estimated total amount of \$367 million was allocated for maintaining provider reimbursement

⁴ The calculations shown in Table 5 were based on numbers in Tables 3 and 4 that were not rounded to the nearest dollar amount. Because rounded numbers are reported in these tables, they may not exactly add up.

⁵ For states that expand their Medicaid program to cover individuals with income below 138% of FPL, the federal government financed 100% of the costs of Medicaid expansion from 2014 to 2016 and then the federal contribution phases down to 90% by 2020 and beyond.

⁶ Under the ACA, states receive a 23 percent increase in FMAP for CHIP for federal fiscal years (FFYs) 2016 – 2019. Maryland's CHIP FMAP is currently 88 percent.

rates. Furthermore, \$36 million in federal funds was assigned for physician services provided to adults, which were covered by Medicaid expansion under the ACA for FY 2016.

The Governor allocated approximately \$5 million General Funds in FY 2017 for increasing Medicaid fees for E&M procedures to 94 percent of Medicare 2016 fees, effective October 1, 2016. Moreover, updates in RVUs led to decreases in Medicare fees for some procedures, resulting in Maryland Medicaid fees exceeding their corresponding Medicare fees. Therefore, effective January 1, 2017, the Department reduced any Medicaid fees that exceeded their corresponding Medicare fees, and increased the lowest Medicaid fees to approximately 72 percent of Medicare 2017 fees.

The amount of funding distributed to the Maryland Medicaid program from the Fund in FY 2017 was \$142.8 million. The overall weighted average FMAP for FY 2017 was approximately 61 percent, resulting in an overall state share of 39 percent. With the Fund allocation of \$142.8 million, the total funds earmarked for maintaining physician reimbursement rates was \$366.6 million in FY 2017, of which the federal share was \$223.8 million.

IV. Maryland's Medicaid Fees Compared with Medicare and Other States' Fees

Maryland's neighboring states have their own Medicaid fee schedules. For this report, we collected data on the Medicaid physician fees of Delaware, Pennsylvania, Virginia, West Virginia, and Washington, D.C. We obtained the current physician fee schedules from the states' websites and compiled data on each state's Medicaid fees.

Table 6 compares Maryland's CY 2017 Medicaid fees with the corresponding Medicare 2017 reimbursement rates for the Baltimore region, as well as neighboring states' Medicaid fees for a sample of approximately 250 high-volume procedures in various specialty groups. In this table, procedure fees are rounded to the nearest dollar amount, and the last row of each section shows each state's weighted average Medicaid fees for the surveyed procedures as a percentage of Medicare fees in the Baltimore region. Maryland Medicaid's numbers of claims and encounters were used as the weights for fees. The average percentages of Medicare fees reported in this table correspond to the appropriate Medicare non-facility and facility fees. More specifically, Medicaid non-facility fees are compared with Medicare non-facility fees, and Medicaid facility fees, reported for Maryland and West Virginia, are compared with Medicare facility fees.

Physician fees include three components: the physician's work, practice expenses (e.g., costs of maintaining an office), and malpractice insurance expenses. The practice expense component comprises, on average, approximately 40 percent of the total physician fee. When physicians render services in facilities, such as hospitals and long-term care facilities, they do not incur a practice expense. Therefore, facility fees are typically lower than non-facility fees.

⁷ The weighted average of various FMAPs, including regular Medicaid at 50 percent, enhanced CHIP funding at 88%, and ACA adult expansion at 100%, and including administrative contracts that support provider services, was approximately 61 percent.

Maryland and West Virginia have separate facility and non-facility fees. Delaware and Pennsylvania do not separate these fees. Therefore, their fees are compared with Medicare non-facility fees. Hence, for Delaware and Pennsylvania, the percentages of Medicare fees reported in Table 6 underestimate the percentages of Medicare fees for procedures performed in facilities. Virginia and Washington, D.C., have separate facility and non-facility fees for some procedures, but they did not report facility fees for some of the procedures that are included in Table 6. Therefore, the table only compares the Medicaid non-facility fees of Virginia and Washington, D.C. with the corresponding Medicare non-facility fees for the Baltimore region.

For this report, we compared Maryland's and other states' Medicaid reimbursement rates with the Medicare fee schedule for Maryland. Average Medicare fees in Maryland are approximately 4 percent higher than Medicare fees in Delaware and Pennsylvania, 1 percent higher than Medicare fees in Virginia, and 12 percent higher than Medicare fees in West Virginia. On the other hand, average Medicare fees in Maryland are approximately 5 percent lower than average Medicare fees in Washington, D.C.

Comparisons of Evaluation and Management and Specialty Procedures

The following paragraphs compare Maryland's fees with other states' fees for E&M services and each group of specialty procedures shown in Table 6. As an average percentage of Medicare 2017 fees for the Baltimore region, E&M fees in Maryland (both non-facility and facility) for the second consecutive year, rank first and second, respectively; Delaware E&M fees are ranked as third; Washington, D.C., E&M fees rank fourth; West Virginia's facility E&M fees rank fifth; West Virginia's non-facility E&M fees rank sixth; Virginia's non-facility E&M fees rank seventh; and Pennsylvania's E&M fees rank eighth. Washington, D.C.'s Medicaid fee data includes one zero fee for procedure code 99238 (hospital discharge day), and Delaware data includes one zero fee for procedure code 99244 (Office Consultation).

Surgery

Integumentary System Procedures

Similar to last year's ranking order, Delaware fees for integumentary procedures continue to rank first, followed by Washington, D.C., fees (second); Virginia non-facility fees (third); Maryland non-facility fees (fourth); Maryland facility fees (fifth); West Virginia facility fees (sixth); West Virginia non-facility fees (seventh); and Pennsylvania fees (eighth).

Musculoskeletal System Procedures

Similar to integumentary procedure fees, the state ranking order of musculoskeletal system procedure fees did not change from last year. Delaware fees for musculoskeletal system procedures remain the highest in the region. Maryland non-facility fees rank second; Maryland facility fees rank third; Washington, D.C., fees rank fourth; Virginia non-facility fees rank fifth; West Virginia facility fees rank sixth; West Virginia non-facility fees rank seventh; and Pennsylvania fees are the lowest in the region. Washington, D.C., data include one zero fee for procedure code 20552 (injection trigger point, one or two muscles), and Pennsylvania data are missing a value for procedure code 29130 (application of finger splint).

Respiratory System Procedures

Similar to last year's ranking order, Washington, D.C., respiratory procedure fees rank first, followed, in ranking order, by Delaware fees; Virginia non-facility fees; Maryland non-facility fees; Maryland facility fees; West Virginia facility fees; and Pennsylvania fees.

Cardiovascular System Surgical Procedures

For cardiovascular surgical procedures, Washington, D.C., has the highest fees. Virginia non-facility fees rank second; Maryland non-facility fees rank third; Maryland facility fees rank fourth; West Virginia facility fees rank fifth; West Virginia non-facility fees rank sixth; Delaware fees rank seventh; and Pennsylvania fees rank eighth. Because Pennsylvania data have missing fees for three surveyed procedures (procedure codes 36400, 36406, and 36410), the state's percentage of Medicare fees is lower than it would have been if these procedures were included.

Hemic, Lymphatic System, and Mediastinum Procedures

For selected hemic, lymphatic, and mediastinum procedures, Delaware has the highest fees in the region, followed by Washington, D.C., fees (second); Virginia non-facility fees (third); Maryland non-facility fees (fourth); Maryland facility fees (fifth); West Virginia facility fees (sixth); West Virginia non-facility fees (seventh); and Pennsylvania fees (eighth). Pennsylvania data have missing fees for procedure 38792 (identify sentinel node).

Digestive System Procedures

For selected digestive system procedures, Delaware fees rank the highest, followed by Washington, D.C., fees (second); Virginia non-facility fees (third); Maryland non-facility fees (fourth); Maryland facility fees (fifth); West Virginia non-facility fees (sixth); West Virginia facility fees (seventh); and Pennsylvania fees (eighth).

Urinary System and Male Genital Procedures

Similar to last year's state ranking order for urinary and male genital procedure fees, Washington, D.C., fees rank highest in the region. Maryland non-facility fees rank second; Virginia non-facility fees rank third; Maryland facility fees rank fourth; West Virginia facility fees rank fifth; West Virginia non-facility fees rank sixth; and Delaware fees rank seventh. Pennsylvania fees are lowest in the region.

Gynecology and Obstetrics Procedures

Pennsylvania fees for the selected gynecology and obstetrics procedures rank highest in the region. Maryland non-facility fees rank second; Maryland facility fees rank third; West Virginia facility fees rank fourth; West Virginia non-facility fees rank fifth; Delaware fees rank sixth; Washington, D.C., fees rank seventh; and Virginia non-facility fees rank eighth. Delaware data include one zero fee for procedure code 58300 (insert intrauterine device), and Pennsylvania data have missing fees for procedure code 59430 (care after delivery).

Endocrine System Procedures

For the selected endocrine system procedures, Delaware fees rank the highest. Washington, D.C., fees rank second; Virginia non-facility fees rank third; Maryland facility fees rank fourth;

Maryland non-facility fees rank fifth; West Virginia facility fees rank sixth; West Virginia non-facility fees rank seventh; and Pennsylvania fees rank eighth.

Nervous System Procedures

Delaware fees for nervous system procedures are the highest in the region, followed, in ranking order, by Washington, D.C., fees, Virginia non-facility fees; Maryland non-facility fees; West Virginia facility fees; Maryland facility fees; West Virginia non-facility fees; and Pennsylvania fees.

Eye Surgery Procedures

For eye surgery procedures, Delaware fees rank first; Washington, D.C., fees rank second; Pennsylvania fees rank third; Virginia non-facility fees rank fourth; Maryland non-facility fees rank fifth; Maryland facility fees rank sixth; West Virginia facility fees rank seventh; and West Virginia non-facility fees are the lowest in the region.

Ear Surgery Procedures

Similar to last year's ranking order, Washington, D.C., has the highest fees for ear surgery procedures in the region, followed by Maryland non-facility fees (second); Maryland facility fees (third); Virginia non-facility fees (fourth); West Virginia facility fees (fifth); West Virginia non-facility fees (sixth); Delaware fees (seventh); and Pennsylvania fees (eighth).

Delaware data are missing fees for procedure code 69210 (remove impacted ear wax), and Pennsylvania data are missing fees for procedure code 69990 (microsurgery add-on), which reduce their percentage of Medicare fees.

Radiology Procedures

For the selected radiology procedures, Delaware fees are highest in the region. Following Delaware, in ranking order, are Washington, D.C., fees (second); Virginia non-facility fees (third); Maryland facility and non-facility fees (fourth equal; Pennsylvania fees (sixth); West Virginia non-facility fees (seventh); and West Virginia facility fees (eighth).

Laboratory Procedures

Medicare has one fee for each laboratory procedure, regardless of place of service. Delaware has the highest fees for the selected laboratory procedures in the region, followed, in ranking order, by West Virginia, Virginia, Maryland, Washington, D.C., and Pennsylvania fees.

Medicine

Psychiatry Procedures

For selected psychiatry procedures, Maryland non-facility fees rank first in the region; Maryland facility fees rank second; Delaware fees rank third; Washington, D.C., fees rank fourth; Virginia non-facility fees rank fifth; and West Virginia facility and non-facility fees rank sixth and seventh, respectively. Pennsylvania fees are the lowest in the region.

Dialysis Procedures

Delaware fees for dialysis procedures are highest in the region, followed, in ranking order, by Washington, D.C. fees; Virginia non-facility fees; Maryland non-facility and Maryland facility fees (equal); West Virginia non-facility fees; West Virginia facility fees; and Pennsylvania fees. Pennsylvania data have missing fees for four procedures: 90960 (end-stage renal disease [ESRD] service with four visits per month, age 20+), 90961 (ESRD service, two or three visits per month, age 20+), 90962 (ESRD service, one visit per month, age 20+), and 90970 (ESRD services, per day, age 20+).

Gastroenterology Procedures

Delaware's gastroenterology fees are highest in the region, followed, in ranking order, by Washington, D.C., Virginia, Maryland, Pennsylvania, and West Virginia fees.

Ophthalmology and Vision Care Procedures

For the selected ophthalmology and vision care procedures, Delaware fees rank first in the region, followed by Washington, D.C., fees (second); Virginia non-facility fees (third); Maryland non-facility fees (fourth); Maryland facility fees (fifth); West Virginia facility fees (sixth); West Virginia non-facility fees (seventh); and Pennsylvania fees (eighth).

Otorhinolaryngology Procedures

Delaware fees are the highest for the selected otorhinolaryngology (ear, nose, and throat) procedures in the region. Washington, D.C., fees rank second; Virginia non-facility fees rank third; Maryland non-facility and facility fees rank fourth and fifth, respectively; Pennsylvania fees rank sixth; and West Virginia facility and non-facility fees rank seventh and eighth, respectively. Pennsylvania did not report a fee for procedure 92504 (ear microscopy examination).

Cardiovascular System Medical Procedures

For the selected cardiovascular medicine procedures, Delaware fees rank first, followed in ranking order by Washington, D.C., Maryland, Virginia, Pennsylvania, and West Virginia fees. Delaware data include one zero fee for procedure code 93016 (cardiovascular stress test), and Pennsylvania has a missing fee for procedure code 93325 (Doppler color flow add-on).

Noninvasive Vascular Diagnostic Studies

For the selected procedures, Delaware fees rank first, followed in ranking order by Washington D.C., fees; Maryland non-facility and facility fees (equal); Virginia non-facility fees; Pennsylvania fees; and West Virginia non-facility and facility fees, respectively.

Pulmonary Procedures

Similar to last year's report, for the selected pulmonary procedures, Delaware fees are highest in the region, followed in ranking order by Washington, D.C., Virginia non-facility, Maryland, West Virginia, and Pennsylvania fees. Pennsylvania's fee schedule does not provide a fee for procedure 94640 (airway inhalation treatment).

Allergy and Immunology Procedures

For selected allergy and immunology procedures, Delaware fees rank first; Maryland facility fees rank second; Washington, D.C., fees rank third; Maryland non-facility fees rank fourth; Virginia non-facility fees rank fifth; West Virginia facility fees rank sixth; West Virginia non-facility fees rank seventh; and Pennsylvania fees rank eighth.

Neurology and Neuromuscular Procedures

Washington, D.C., fees are the highest in the region for neurology and neuromuscular procedures, followed in ranking order by Maryland fees, Delaware fees, Virginia fees, West Virginia fees, and Pennsylvania fees. Delaware and West Virginia data include one zero fee for procedure code 95951 (EEG monitoring/video record).

Central Nervous System Assessment Tests

For the selected central nervous system (CNS) assessment procedures, Washington, D.C., fees rank first; Maryland facility and non-facility fees rank second and third, respectively; Virginia non-facility fees rank fourth; West Virginia facility and non-facility fees rank fifth and sixth, respectively; Pennsylvania fees rank seventh; and Delaware fees rank eighth.

Because Delaware's fee schedule lists \$0 for procedure codes 96111 and 96116, the state's ranking as a percentage of Medicare fees is the lowest. Similarly, Pennsylvania's fee for procedure code 96102 is not available.

Chemotherapy Administration

For chemotherapy administration procedures, Delaware fees rank first, followed by Washington, D.C. fees (second); Maryland non-facility fees (third); Maryland facility fees (fourth); Pennsylvania fees (fifth); Virginia non-facility fees (sixth); West Virginia facility fees (seventh); and West Virginia non-facility fees (eighth).

Special Dermatological Procedures

As an average percentage of Medicare fees for selected dermatology procedures, Delaware has the highest fees. Virginia non-facility fees rank second; Maryland facility and non-facility fees rank third and fourth, respectively; West Virginia facility fees rank fifth; Washington, D.C., fees rank sixth; West Virginia non-facility fees rank seventh; and Pennsylvania fees rank eighth.

Because Washington, D.C., data have missing values for three surveyed procedures (96920, 96921, and 96922), its percentages of Medicare fees are lower than they would have been if these procedures were covered.

Physical Medicine and Rehabilitation Procedures

Delaware fees rank highest for physical medicine and rehabilitation procedures, followed in ranking order by Washington, D.C., Virginia, Maryland, West Virginia, and Pennsylvania fees.

Osteopathy, Chiropractic, and Other Medicine Procedures

For the selected osteopathy, chiropractic, and other medicine procedures, Pennsylvania fees are highest, followed in ranking order by Delaware fees; Washington, D.C., fees; Maryland non-

facility fees; Virginia non-facility fees; Maryland facility fees; and West Virginia facility and non-facility fees. Washington, D.C., data have a zero fee for procedure code 98941.

Table 6. Comparison of Maryland and Neighboring States' Medicaid Fees with Medicare Fees, in FY 2017

-							integral a ces with integral c rees, in r r	,622.1		/107	
Code	Procedure Description	NF NF	MC FA	NF M	MD FA	DE	VA NF	N V	WV FA	PA	DC
Evaluation	Evaluation & Management Procedures										2
99203	Office/outpatient visit, new	\$117	\$82	\$109	\$77	\$110	\$73	\$75	\$55	\$54	66\$
99204	Office/outpatient visit, new	\$177	\$139	\$166	\$130	\$167	\$112	\$115	\$93	06\$	\$150
99212	Office/outpatient visit, established	\$47	\$27	\$44	\$25	\$44	\$30	\$29	\$18	\$26	\$40
99213	Office/outpatient visit, established	879	\$54	\$73	\$51	\$74	\$49	\$50	\$36	\$35	29\$
99214	Office/outpatient visit, established	\$116	\$84	\$108	\$78	\$109	\$73	\$74	\$56	\$54	86\$
99223	Initial hospital care	\$217	\$217	\$202	\$202	\$204	\$137	\$145	\$145	\$42	\$181
99232	Subsequent hospital care	\$77	\$77	\$72	\$72	\$73	\$49	\$52	\$52	\$17	\$64
99238	Hospital discharge day	\$78	\$78	\$72	\$72	\$73	\$49	\$51	\$51	\$17	\$0
99244	Office consultation	\$196	\$164	\$184	\$153	\$0	\$124	\$128	\$110	\$121	\$165
99283	Emergency dept visit	\$66	99\$	\$62	\$62	\$63	\$44	\$45	\$45	\$35	\$55
99284	Emergency dept visit	\$125	\$125	\$117	\$117	\$119	\$83	98\$	98\$	\$50	\$104
99285	Emergency dept visit	\$185	\$185	\$172	\$172	\$175	\$122	\$128	\$128	\$50	\$153
99291		\$295	\$239	\$276	\$223	\$278	\$186	\$194	\$162	\$152	\$248
99308		\$74	\$74	869	869	\$70	\$47	\$49	\$49	\$37	\$62
99381	Init pm e/m, new pat, inf	\$119	\$82	\$111	\$76	\$112	\$75	92\$	\$55	\$20	\$101
99391	_	\$107	\$75	\$100	\$70	\$100	29\$	89\$	\$50	\$20	890
99392	Preventive visit, established, age 1-4	\$114	\$82	\$107	\$76	\$107	\$72	\$73	\$55	\$20	96\$
99393	Preventive visit, established, age 5-11	\$113	\$82	\$106	\$76	\$107	\$71	\$73	\$55	\$20	96\$
99394		\$124	\$92	\$116	\$87	\$117	\$78	\$80	\$62	\$20	\$105
99469	Neonate crit care, subsq	\$426	\$426	\$397	\$397	\$402	\$309	\$287	\$287	\$240	\$354
99472	Ped critical care, subsq	\$441	\$441	\$409	\$409	\$414	\$319	\$295	\$295	\$240	\$365
99479	Ic Ibw inf 1500-2500 g subsq	\$133	\$133	\$124	\$124	\$126	26\$	890	06\$	\$76	\$111
	Weighted Average % of Medicare	1/14		, 000					50		
	rees	N/A	N/A	95%	93%	92%	64%	94.9	%29	41%	83%
	Ranking	N/A	N/A	-	2	n	7	9	5	8	4
MC. Modicon	MC Modiania Dan D. ME frailte.	' ·· !· J		11 1111							

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	MD	MD		VA	WV	AM		
Code	Procedure Description	NF	FA	NF	FA	DE	NF	NF	FA	PA	DC
Integument	Integumentary Procedures		S 700								
10060	Drainage of skin abscess	\$128	\$107	\$93	\$77	\$120	\$101	\$80	29\$	\$24	\$109
10061	Drainage of skin abscess	\$226	\$197	\$163	\$143	\$211	\$179	\$142	\$126	\$53	\$192
11042		\$128	\$68	\$93	\$49	\$119	\$101	\$78	\$45	\$33	\$110
11056	Trim skin lesions 2 to 4	\$64	\$24	\$46	\$24	\$59	\$50	\$39	\$17	\$30	\$54
11100		\$114	\$54	\$82	\$39	\$106	68\$	69\$	\$35	\$35	\$97
11721		\$49	\$27	\$35	\$21	\$46	\$39	\$31	\$18	\$20	\$42
12001		86\$	\$48	\$88	\$43	16\$	\$77	\$60	\$33	\$25	\$84
12011		\$120	09\$	\$113	\$54	\$111	\$94	\$74	\$41	\$32	\$102
17110		\$122	\$77	68\$	\$56	\$113	96\$	\$73	\$48	\$49	\$105
17250	Chemical cautery, tissue	283	\$41	\$63	\$30	\$81	69\$	\$52	\$26	\$26	\$75
P2	Weighted Average % of Medicare Fees	N/A	N/A	77%	%92	93%	79%	%19	65%	29%	85%
	Ranking	N/A	N/A	4	5	1	3	7	6	8	2
	(A)	S	SURGERY	RY	×	10.0	4.3		1	55 10	9 9 9 6
Musculoske	Musculoskeletal System Procedures			100			KE.				0
20550	20550 Inj tendon sheath/ligament	\$57	\$43	\$26	\$39	860	\$51	\$41	\$31	\$32	\$55
20552	Inj trigger point, 1/2 muscl	09\$	\$42	\$50	\$33	\$57	\$48	\$38	\$28	\$31	\$0
20553		\$70	\$47	\$55	\$37	\$65	\$55	\$44	\$31	\$34	\$59
20610		\$66	\$51	\$66	\$48	\$62	\$53	\$42	\$34	\$24	\$56
25600		\$362	\$342	\$262	\$248	\$340	\$287	\$222	\$211	\$115	\$311
29075	Application of forearm cast	96\$	69\$	\$80	\$58	\$91	\$77	\$29	\$44	\$46	\$83
29125		12\$	\$43	\$61	\$39	294	\$57	\$43	\$28	\$26	\$61
29130		\$45	\$31	\$37	\$27	\$43	\$36	\$29	\$21	N/A	\$38
29515		08\$	\$55	\$65	\$47	\$74	\$63	\$49	\$35	\$35	\$9\$
29540	Strapping of ankle and/or ft	\$28	\$20	\$28	\$20	\$27	\$23	\$18	\$13	\$20	\$24
	Weighted Average % of Medicare Fees	N/A	N/A	87%	85%	94%	%08	63%	65%	39%	82%
	Ranking	N/A	N/A	2	3	-	5	7	9	8	4
1 10 11 11	1 1 2 2 1 1			, , , , ,				:			

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Drocodure		3									
Code	Procedure Description	NF C	MC FA	NF N	MD FA	DE	VA NF	W N	WV FA	ΡA	J.
Respiratory	Respiratory System Procedures									01	3
30300	Remove nasal foreign body	\$196	\$116	\$161	888	\$192	618	\$123	\$73	\$23	\$170
31231	Nasal endoscopy, dx	\$231	\$71	\$167	\$57	\$217	\$183	\$138	\$48	\$50	\$203
31237	Nasal/sinus endoscopy surg	\$283	\$176	\$232	\$136	\$267	9008	\$178	\$118	4160	\$202
31500	_	\$154	\$154	\$112	\$112	\$114	268	\$83	\$83	\$77	\$242
31575	Diagnostic laryngoscopy	\$125	\$75	\$91	\$57	\$118	\$100	\$78	\$55	698	\$108
31622	_	\$265	\$145	\$236	\$108	\$149	\$264	\$206	\$107	\$134	\$288
31624	Dx bronchoscope/lavage	\$277	\$148	\$241	\$108	\$153	\$272	\$211	\$109	\$135	\$296
32551	Insertion of chest tube	\$174	\$174	\$128	\$128	\$177	\$150	\$128	\$128	\$133	\$156
	Weighted Average % of Medicare Fees	N/A	N/A	%92	75%	85%	%08	62%	65%	41%	%98
	Ranking	N/A	N/A	4	5	2	3	7	9	×	
Cardiovascu	Cardiovascular System Surgical Procedures			ı		1			>		
36400	BI draw < 3 yrs fem/jugular	\$30	\$20	\$21	\$14	\$31	\$26	\$21	\$15	N/A	803
36406	BI draw < 3 yrs other vein	\$20	\$10	\$15	\$7	\$17	\$15	\$12	98	A/N	\$18
36410	Non-routine bl draw > 3 yrs	61\$	\$10	\$14	\$7	\$17	\$15	\$12	\$7	N/A	816
36556	36556 Insert non-tunnel cv cath	\$256	\$132	\$194	96\$	\$126	\$205	\$160	891	\$113	\$210
36558	Insert tunneled cv cath	\$792	\$291	\$670	\$217	\$288	8680	\$518	\$205	9908	\$750
36561	Insert tunneled cv cath	\$1,206	\$377	\$938	\$273	\$371	\$1.024	\$774	\$264	\$319	\$1133
36569	Insert picc cath	\$275	\$100	\$226	\$73	\$95	\$217	\$166	898	\$87	\$238
36620	Insertion catheter, artery	\$55	\$55	\$40	\$40	\$53	\$46	\$38	\$38	848	\$46
	Weighted Average % of Medicare Fees	N/A	N/A	%82	73%	45%	83%	64%	%69	35%	%06
	Ranking	N/A	N/A	3	4	7	2	9	5	∞	-

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

								-	;		
Procedure	,	MC	MC	M N	M F	10	VA A	× ×	> \(\frac{1}{2} \)	DA	2
Code	Procedure Description	N	FA	NF	FA	DE	NF	INE	FA	FA	3
Hemic, Lyn	Hemic, Lymphatic System and Mediastinum Procedures	res									
38220	Bone marrow aspiration	\$186	89\$	\$134	849	\$169	\$143	\$109	\$45	\$55	\$157
38221	Bone marrow biopsy	\$184	\$81	\$136	829	\$171	\$145	\$112	\$54	\$70	\$158
38500		\$368	\$283	\$266	\$205	\$345	\$292	\$235	\$188	\$114	\$314
38505		\$139	879	\$101	\$57	\$130	\$110	98\$	\$51	867	\$120
38525		\$487	\$487	\$353	\$353	\$457	\$387	\$323	\$323	\$156	\$411
38792		\$44	\$44	\$32	\$32	\$41	\$35	\$28	\$28		\$38
38900		\$154	\$154	\$113	\$113	\$145	\$122	\$106	\$106	\$110	\$129
	Weighted Average % of Medicare Fees	N/A	N/A	73%	73%	93%	%62	63%	%99	35%	85%
20	Ranking	N/A	N/A	4	5	-	3	7	9	8	2
Digestive System	vstem	4	E-0							1	4.7
42820	Remove tonsils and adenoids	\$319	\$319	\$231	\$231	\$304	\$258	\$211	\$211	\$184	\$274
42830	-	\$230	\$230	\$167	\$167	\$217	\$184	\$148	\$148	\$134	\$197
43235		\$282	\$138	\$229	\$104	\$319	\$270	\$207	\$95	\$125	\$296
43239		\$378	\$156	\$274	\$123	\$408	\$345	\$262	\$108	\$149	\$379
45378		\$347	\$208	\$299	\$155	\$389	\$329	\$256	\$143	\$181	\$358
45380	_	\$445	\$225	\$357	\$186	\$481	\$407	\$314	\$154	\$225	\$444
45385	Lesion removal colonoscopy	\$467	\$285	\$400	\$221	\$504	\$427	\$334	\$195	\$268	\$463
47562		\$734	\$734	\$532	\$532	\$89\$	\$582	\$492	\$492	\$589	\$617
49082	Abd paracentesis	\$213	\$82	\$154	09\$	\$197	\$167	\$127	\$55	\$55	\$183
	Weighted Average % of Medicare Fees	N/A	N/A	77%	%92	105%	%68	%02	%89	53%	%26
	Ranking	N/A	N/A	4	5	1	3	9	7	8	2
	Maining Co. 11 Co. 12 C	,	1	14 . IV. MI/A.	, ,	+ mailable		ou not amplicable	1,,		

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	M	M.		VA	14/17	17/17		
Code	Procedure Description	NF	FA	Ŗ	FA	DE	NF	Z Z	Υ Υ Υ	ργ	2
Urinary Sy.	Urinary System and Male Genital Procedures								0.7	41	3
51600	Injection for bladder x-ray	\$203	\$48	\$162	\$35	\$46	\$159	\$119	\$33	437	\$176
51700	Irrigation of bladder	\$80	\$40	\$70	\$34	\$85		\$57	\$33	60\$	\$78
51701	Insert bladder catheter	\$52	\$28	\$47	\$21	\$56	\$47	\$37	\$20	\$28	\$51
51741	Electro-uroflowmetry first	\$17	\$17	\$16	\$16	\$16	\$14	\$11	\$111	\$24	\$15
51798		\$22	\$22	\$16	\$16	\$20	\$16	\$12	\$12	\$14	\$15
52000	Cystoscopy	\$181	\$113	\$163	\$94	\$130	\$177	\$140	\$92	\$75	\$191
52332		\$542	\$172	\$393	\$124	\$161	\$422	\$319	\$114	\$144	\$465
54150	Circumcision w/regionl block	\$170	\$108	\$145	\$78	\$101	\$134	\$107	\$72	879	\$143
54161		\$217	\$217	\$157	\$157	\$203	\$173	\$143	\$143	\$128	\$181
	Weighted Average % of Medicare Fees	N/A	N/A	81%	73%	35%	%62	%09	%69	25%	%98
	Ranking	N/A	N/A	2	4	7	3	9	v	00	
Gynecology	Gynecology and Obstetrics Procedures										
57452	Exam of cervix w/scope	\$119	\$101	\$108	888	\$112	897	\$77	867	\$40	\$100
57454	\rightarrow	\$166	\$148	\$152	\$133	\$156	\$136	\$108	868	\$106	\$140
58100	Biopsy of uterus lining	\$119	\$6\$	\$109	\$85	\$111	897	\$77	\$63	\$51	\$100
58300	_	\$79	\$59	92\$	\$52	\$0	\$65	\$51	\$40	\$17	295
58301	Remove intrauterine device	\$103	\$73	\$6\$	99\$	96\$	\$84	99\$	\$49	\$17	587
59025	Fetal non-stress test	\$54	\$54	\$46	\$46	\$50	\$43	\$34	\$34	818	\$46
59409	Obstetrical care	\$907	\$907	\$860	098\$	\$852	\$742	\$891	\$891	\$1 200	8757
59410	Obstetrical care	\$1,159	\$1,159	\$942	\$942	\$1,085	\$945	\$1,133	\$1.133	\$1,200	2968
	Care after delivery	\$205	\$155	\$149	\$125	\$191	\$166	\$192	\$152	N/A	\$173
59514	Cesarean delivery only	\$1,023	\$1,023	\$993	\$993	\$852	\$837	\$1,005	\$1.005	\$1 200	\$854
59515	Cesarean delivery w postpartum	\$1,411	\$1,411	\$1,124	\$1,124	\$1.085	\$1.150	\$1.377	\$1377	\$2,050	1771 17
	Weighted Average % of Medicare Fees	N/A	N/A	%16	%06	87%	82%	%88	%06	93%	84%
	Ranking	N/A	N/A	2	3	9	~	2	4	-	1
160.16.7							,	,	-	-	/

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	MD	MD		VA	WV	WV		
Code	Procedure Description	NF	FA	NF	FA	DE	NF	NF	FA	PA	DC
Endocrine 5	Endocrine System Procedures				2000	į.	34 1	0	i i	120	
60100	60100 Biopsy of thyroid	\$123	98\$	68\$	\$63	\$116	86\$	\$79	\$59	99\$	\$105
60220	Partial removal of thyroid	\$780	082\$	\$565	\$565	\$737	\$625	\$522	\$522	\$521	\$661
60240	Removal of thyroid	\$1,017	\$1,017	\$737	\$737	\$959	\$813	\$684	\$684	\$591	\$858
00209		\$1,070	\$1,070	\$775	\$775	\$1,007	\$853	\$718	\$718	\$705	\$902
	Weighted Average % of Medicare Fees	N/A	N/A	72%	72%	94%	%08	%29	%29	%19	85%
	Ranking	N/A	N/A	5	4	1	3	7	9	8	2
Nervous Sy	Nervous System Procedures		27								31
62270	62270 Spinal fluid tap, diagnostic	\$175	\$86	\$150	\$73	\$163	\$138	\$108	\$57	\$42	\$151
62311	62311 Inject spine I/s (cd)	\$245	86\$	\$183	879	\$231	\$195	\$147	\$65	\$75	\$212
64450	N block, other peripheral	\$88	\$50	\$88	\$50	\$82	\$70	\$54	\$33	\$21	\$75
64483		\$238	\$122	\$238	\$101	\$227	\$192	\$148	\$81	\$6\$	\$208
64484		\$6\$	\$56	\$6\$	\$55	\$91	\$77	09\$	\$38	\$60	\$82
64494		\$6\$	95\$	\$87	\$54	\$54	\$76	09\$	\$38	\$42	\$81
64495		\$6\$	25\$	\$88	\$55	\$55	\$76	860	\$39	\$42	\$81
	Weighted Average % of Medicare Fees	N/A	N/A	%56	%68	112%	102%	72%	94%	47%	111%
	Ranking	N/A	N/A	4	9	-	3	7	5	8	2
	Summy							:			

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		ZM	MC	a de	4		;				
Code	Procedure Description	NF NF	FA	NF NF	MID FA	DE	N A	X Y T	WV FA	ργ	2
Eye Surger	Eye Surgery Procedures									VI.	3
65222	Remove foreign body from eye	\$72	\$56	\$52	\$41	893	457	\$15	253	700	1,70
65855		\$265	\$225	\$227	\$105	\$278	7503	\$183	\$163	076	301
66821		\$359	8339	092\$	\$246	\$336	4285	6010	\$103	0227	\$255
66982		2882	2988	8298	8678	8083	6620	7770	1176	1174	\$307
66984	Cataract surg w/iol, 1 stage	\$694	8694	\$503	\$503	0000	4547	5006	2004	7698	\$730
67028	67028 Injection eye drug	\$110	\$109	66\$	808	\$104	488	671	670	\$000	\$289
67210	Treatment of retinal lesion	\$563	\$544	\$430	\$413	\$628	\$440	6354	0/0	\$100	\$94
67228		\$370	\$333	\$333	\$300	\$348	\$00\$	4004	\$214	6401	\$4/9
67311		\$649	\$649	\$470	\$470	\$611	\$519	\$412	\$417	6468	\$1100
67800	Remove eyelid lesion	\$138	\$112	\$100	\$81	\$130	\$110	886	\$77	6400	\$222
	Weighted Average % of Medicare Fees	N/A	N/A	77%	77%	%16	%08	64%	64%	84%	85%
	Ranking	N/A	N/A	5	9	-	4	8	7		0,00
Ear Surgery	Ear Surgery Procedures										1
69200	69200 Clear outer ear canal	\$91	\$52	\$82	\$49	\$102	886	298	\$34	\$30	\$05
69205	Clear outer ear canal	\$112	\$112	\$91	\$91	\$106	68\$	\$72	\$72	688	903
69210	69210 Remove impacted ear wax	\$53	\$36	\$44	\$29	N/A	\$43	\$34	\$24	820	\$46
69424	Remove ventilating tube	\$140	89\$	\$115	\$55	\$132	\$111	\$85	\$44	854	\$123
69436	69436 Create eardrum opening	\$176	\$176	\$149	\$149	\$167	\$142	\$114	\$117	003	\$150
06669		\$251	\$251	\$199	\$199	\$231	\$195	\$172	\$172	N/A	\$210
	Weighted Average % of Medicare Fees	N/A	N/A	84%	83%	20%	82%	92%	%19	41%	88%
	Ranking	N/A	N/A	2	3	7	4	9	v	0	-
Mr. Madican	MC Modicano Dam D. Mr.							,	,	0	_

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	MD	MD	nF	VA	WV	WV	ΡΑ	50
Code	Procedure Description	INE	FA	INT	101	77					
Kadiology Procedures	rocedures	4107	4127	6117	\$117	\$117	600	928	928	\$117	8109
71010	Ct nead/brain w/o dye	415	\$25	420	\$20	\$23	819	\$15	\$15	819	\$21
01017	71030 Chest x-tay	831	\$31	928	\$26	\$28	\$24	\$18	\$18	\$25	\$26
72193	_	\$248	\$248	\$223	\$223	\$229	\$194	\$145	\$145	\$140	\$215
73610		\$35	\$35	\$25	\$25	\$32	\$27	\$20	\$20	\$27	\$29
73630		\$32	\$32	\$24	\$24	\$30	\$25	819	\$19	\$19	\$27
74000		\$26	\$26	\$21	\$21	\$24	\$20	\$15	\$15	\$18	\$22
74160	2	\$254	\$254	\$228	\$228	\$234	\$198	\$149	\$149	\$149	\$219
74177		\$342	\$342	\$287	\$287	\$315	\$267	\$201	\$201	\$263	\$294
76805	_	\$158	\$158	\$114	\$114	\$145	\$126	\$93	\$93	\$78	\$135
76815		\$94	\$94	870	\$70	98\$	\$75	\$56	\$56	\$64	\$80
76816		\$128	\$128	\$93	\$93	\$118	\$103	92\$	\$76	\$72	\$109
76817		\$108	\$108	\$78	878	\$100	\$87	\$65	\$65	\$88	\$92
76819		\$100	\$100	\$78	\$78	\$91	879	\$29	\$59	\$88	\$84
76820	_	\$53	\$53	\$50	\$50	\$49	\$43	\$32	\$32	\$46	\$44
76830		\$135	\$135	86\$	86\$	\$125	\$108	819	8.79	\$77	\$116
76856	-	\$122	\$122	888	888	\$112	86\$	\$72	\$72	\$77	\$104
	_	N/A	N/A	%82	%82	92%	79%	%09	%09	71%	85%
	Ranking	N/A	N/A	4	4	-	3	7	8	9	2
	E CONTRACTOR OF THE CONTRACTOR		1	1,11		11 1.		11:11:	1.		

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	E	M.		VA	WW	WW		
Code	Procedure Description	NF	FA	Ŋ	FA	DE	N. Y.	N Y	ት የ	PΑ	DC
Laboratory	Laboratory Procedures										2
80053	80053 Comprehen metabolic panel	\$14	\$14	\$11	\$11	\$14	\$12	\$13	\$13	\$12	\$10
80061	Lipid panel	\$17	\$17	\$13	\$13	\$18	\$18	\$18	\$18	\$17	\$15
81002	Urinalysis nonauto w/o scope	\$3	\$3	\$3	\$3	\$3	\$3	83	\$3	\$ 2	Cla Co
83655	83655 Assay of lead	\$16	\$16	\$13	\$13	\$16	\$14	\$15	\$15	\$10	20
85025	Complete cbc w/auto diff wbc	\$11	\$11	8\$	8\$	\$10	6\$	\$10	\$10	86	8
86592	Blood serology, qualitative	\$5	\$5	\$4	\$4	9\$	\$4	\$5	\$5	\$ 48	8
87081	Culture screen only	6\$	6\$	\$7	\$7	6\$	88	88	85	\$3	47
82086	Urine culture/colony count	\$11	\$11	6\$	8	\$11	88	\$10	\$10	8	60%
87491	Chylmd trach, dna, amp probe	\$42	\$42	\$34	\$34	\$47	\$38	\$43	\$43	\$23	\$38
87880	Strep a assay w/optic	\$16	\$16	\$13	\$13	\$15	\$14	\$15	\$15	98	57
	Weighted Average % of Medicare Fees	N/A	N/A	%62	%62	102%	87%	%56	%56	63%	77%
	Ranking	N/A	N/A	5	5	1	4	2	2	8	7
		Σ	MEDICINE	INE							
Psychiatry Procedures	Procedures									a la	
90834	90834 Psytx, pt&/ family 45 minutes	68\$	\$88	\$88	888	\$85	\$73	298	193	\$30	\$73
90837	Psytx, pt&/ family 60 minutes	\$133	\$132	\$133	\$133	\$127	\$109	\$63	265	452	\$111
90847	Family psytx w/ patient	\$112	\$1111	\$1111	\$107	\$107	891	\$77	877	\$13	\$00
	Weighted Average % of Medicare Fees	N/A	N/A	100%	%66	%96	82%	70%	%02	35%	83%
	Ranking	N/A	N/A	-	2	c	S	7	9	~	2 7
140.14.7	MC. Madiana name name com.	1		1		,	,		>	o	t

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	MD	MD		VA	WV	WV		
Code	Procedure Description	NF	FA	NF	FA	DE	NF	NF	FA	PA	DC
Dialysis Procedures	ocedures										
90935	90935 Hemodialysis, one evaluation	22	\$77	\$56	\$56	\$73	\$62	\$52	\$52	\$35	\$64
90937	Hemodialysis, repeated eval	\$111	\$111	08\$	\$80	\$105	888	\$75	\$75	\$35	\$92
90945		\$92	\$92	99\$	99\$	\$87	\$74	\$61	\$61	\$35	\$77
09606		\$303	\$303	\$219	\$219	\$286	\$244	\$202	\$202	N/A	\$255
19606		\$254	\$254	\$184	\$184	\$241	\$205	\$169	\$169	N/A	\$214
90962	_	\$196	\$196	\$142	\$142	\$186	\$158	\$130	\$130	N/A	\$166
02606		88	88	9\$	9\$	88	\$7	9\$	98	N/A	\$7
7	Weighted Average % of Medicare Fees	N/A	N/A	72%	72%	%56	%18	%29	%29	17%	84%
	Ranking	N/A	N/A	4	4	1	3	9	7	8	2
Gastroenter	Gastroenterology Procedures					1			4	a	. 91
91034	91034 Gastroesophageal reflux test	\$207	\$207	\$167	\$167	\$193	\$163	\$122	\$122	\$172	\$181
91038	91038 Esoph imped funct test > 1hr	\$495	\$495	\$359	\$359	\$459	\$388	\$284	\$284	86\$	\$432
91065	91065 Breath hydrogen/methane test	\$83	\$83	\$60	\$60	\$80	\$9\$	\$50	\$50	\$17	\$75
91110	91110 Gi tract capsule endoscopy	\$933	\$933	\$733	\$733	\$900	\$761	\$564	\$564	\$680	\$843
91122	Anal pressure record	\$251	\$251	\$190	\$190	\$231	\$196	\$150	\$150	69\$	\$214
	Weighted Average % of Medicare Fees	N/A	N/A	78%	78%	%96	%18	%09	%09	64%	%06
	Ranking	N/A	N/A	4	4	-	3	7	8	9	2
	Summy							850			

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure Code	Procedure Description	MC	MC	M av	MD	5	VA	W	W	i	,
Ophthalmo	Ophthalmology and Vision Care Procedures		V.	INE	FA	DE	N	NF	FA	PA	o DC
92004	Eye exam, new patient	\$161	\$107	\$117	\$77	\$150	2127	\$100	\$71	650	\$136
92012		\$93	\$57	867	\$41	886	\$73	\$57	\$37	620	\$150
92014	Eye exam & treatment	\$134	\$86	897	\$62	\$125	\$106	\$83	758	675	6117
92015	Refraction	\$21	\$21	\$19	\$15	\$20	\$17	\$18	\$14	55	4119
92060	Special eye evaluation	\$71	\$71	\$51	\$51	998	\$56	\$44	\$44	\$34	019
92081	Visual field examination(s)	\$37	\$37	\$33	\$33	\$34	\$29	\$23	\$23	828	\$33
92083	Visual field examination(s)	\$70	\$70	\$57	\$57	\$65	\$55	\$42	\$42	\$63	098
92250		\$72	\$72	\$54	\$54	879	294	\$51	\$51	\$53	\$75
	Weighted Average % of Medicare Fees	N/A	N/A	73%	73%	93%	%62	62%	%99	37%	85%
	Ranking	N/A	N/A	4	5	-	3	7	9	~	C
Otorhinolar	Otorhinolaryngology Procedures		-								1
92504	Ear microscopy examination	\$33	\$10	\$26	6\$	\$31	\$26	\$19	23	A/A	\$20
92546	Sinusoidal rotational test	\$113	\$113	\$82	\$82	\$105	886	866	\$66	\$22	800
92547	Supplemental electrical test	\$7	\$7	\$5	\$5	9\$	\$5	\$4	\$2	22.5	88
92551	Pure tone hearing test, air	\$13	\$13	\$10	\$10	\$12	\$10	88	8	8.5	\$12
92552	Pure tone audiometry, air	\$35	\$35	\$25	\$25	\$32	\$27	819	819	8	\$30
92557	Comprehensive hearing test	\$41	\$35	\$37	\$32	\$38	\$32	\$26	\$23	628	\$34
92567	Tympanometry	\$16	\$12	\$14	\$11	\$15	\$13	\$10	88	\$12	\$13
92568	Acoustic refl threshold tst	\$17	\$17	\$16	\$16	\$16	\$14	\$12	15	\$10	617
	Auditory evoked potentials (ABR							1	÷	010	+
92585	comprehensive)	\$150	\$150	\$108	\$108	\$138	\$117	\$87	\$87	\$27	\$130
	Evoked auditory (otoacoustic emission)									1	2
92587	testing	\$23	\$23	\$21	\$21	\$22	\$19	\$15	\$15	\$34	\$20
111	Weighted Average % of Medicare Fees	N/A	N/A	78%	77%	95%	78%	28%	%09	%09	%98
	Ranking	N/A	N/A	4	5	-	··	~	1	9	C
				O. C. C.			,	2	,	0	4

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Duggedung		MC	MC	E S	M.		VA	WV	WV		
Code	Procedure Description	NF	FA	NF	FA	DE	NF	NF	FA	PA	DC
Cardiovasc	Cardiovascular System Medical Procedures										
93000	Electrocardiogram, complete	819	\$19	\$18	\$18	\$17	\$15	\$12	\$12	\$19	\$16
93010	Electrocardiogram report	6\$	6\$	23	\$7	86	\$7	\$6	9\$	88	88
93015		\$83	\$83	\$80	\$80	\$77	\$65	\$51	\$51	\$90	\$71
93016	93016 Cardiovascular stress test	\$24	\$24	\$18	\$18	80	\$19	\$16	\$16	\$22	\$20
93018	Cardiovascular stress test	91\$	\$16	\$12	\$12	\$15	\$13	\$10	\$10	\$15	\$13
93042		8\$	88	9\$	9\$	\$7	9\$	\$5	\$5	\$7	9\$
93303	_	\$260	\$260	\$188	\$188	\$243	\$205	\$154	\$154	\$157	\$227
93306	-	\$251	\$251	\$206	\$206	\$232	\$196	\$148	\$148	\$141	\$216
93307		\$142	\$142	\$128	\$128	\$132	\$112	\$85	\$85	\$140	\$123
93320		65\$	\$29	\$53	\$53	\$55	\$47	\$35	\$35	\$61	\$51
93325		\$28	\$28	\$25	\$25	\$26	\$22	\$16	\$16	N/A	\$25
	Weighted Average % of Medicare Fees	N/A	N/A	%18	81%	92%	%62	%09	%09	%59	%98
	Ranking	N/A	N/A	3	3	1	5	7	8	9	2
Noninvasive	Noninvasive Vascular Diagnostic Studies					۰			. 1		
93880	93880 Extracranial study	\$224	\$224	\$162	\$162	\$196	\$175	\$131	\$131	\$148	\$195
93922	Upr/l xtremity art 2 levels	86\$	86\$	26\$	26\$	\$91	\$77	\$57	\$57	\$49	98\$
93970	-	\$218	\$218	\$158	\$158	\$190	\$171	\$127	\$127	\$147	\$191
93971	Extremity study	\$133	\$133	96\$	96\$	\$123	\$104	\$78	\$78	\$100	\$117
93975		\$310	\$310	\$225	\$225	\$214	\$245	\$183	\$183	\$182	\$273
93976	Vascular study	\$167	\$167	\$162	\$162	\$167	\$141	\$106	\$106	\$131	\$157
N	Weighted Average % of Medicare Fees	N/A	N/A	82%	82%	%16	81%	%09	%09	71%	%06
	Ranking	N/A	N/A	3	3	-	5	7	8	9	2
	9							1	1.1	945	

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	W	W.		1.3	11.11			
Code	Procedure Description	NF	FA	N. N.	FA	DE	NF NF	N &	W FA	PA	DC
Pulmonary	Pulmonary Procedures										
94010	Breathing capacity test	\$39	839	\$29	\$29	\$36	\$31	\$23	\$23	\$15	\$35
94060	Evaluation of wheezing	\$67	29\$	\$49	849	\$62	\$53	\$39	\$39	\$19	\$58
94375	Respiratory flow volume loop	\$43	\$43	\$31	18\$	\$40	\$34	\$26	\$26	\$31	\$37
94640	94640 Airway inhalation treatment	\$21	\$21	\$15	\$1\$	\$19	\$16	\$12	\$12	N/A	\$18
94664	94664 Evaluate pt use of inhaler	\$19	\$19	\$14	\$14	\$18	\$15	\$11	\$11	\$12	\$17
94760	94760 Measure blood oxygen level	\$4	\$4	\$3	\$3	\$3	\$3	\$2	\$2	\$2	\$3
94761	Measure blood oxygen level	\$5	\$5	\$5	\$\$	\$5	\$4	\$3	\$3	\$4	\$5
	Weighted Average % of Medicare Fees	N/A	N/A	73%	73%	92%	78%	28%	28%	34%	87%
	Ranking	N/A	N/A	4	4	I	3	7	9	8	2
Allergy and	Allergy and Immunology Procedures										
95004	95004 Percut allergy skin tests	88	88	\$5	\$5	\$7	9\$	\$4	\$4	\$2	\$7
95024	95024 Id allergy test, drug/bug	6\$	\$1	9\$	\$1	8\$	\$7	\$5	\$1	\$5	88
95115	Immunotherapy, one injection	\$10	\$10	6\$	6\$	6\$	88	9\$	9\$	\$4	6\$
95117	Immunotherapy injections	\$11	\$11	\$10	\$10	\$11	6\$	9\$	9\$	\$7	\$10
95165	Antigen therapy services	\$14	\$3	\$10	\$2	\$13	\$11	88	\$2	8\$	\$12
	Weighted Average % of Medicare Fees	N/A	N/A	%98	%88	92%	77%	25%	%95	53%	87%
	Ranking	N/A	N/A	4	-2	1	5	7	9	8	3

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	MD	MD		VA	WV	WV		
Code	Procedure Description	NF	FA	NF	FA	DE	NF	NF	FA	PA	DC
Neurology :	Neurology and Neuromuscular Procedures										
95810	95810 Polysomnography, 4 or more	\$686	989\$	\$628	\$628	\$636	\$538	\$400	\$400	\$347	\$598
95811	Polysom 6/>yrs cpap 4/> parm	\$721	\$721	\$691	\$691	\$99\$	\$565	\$420	\$420	\$648	\$629
95816	EEG, awake and drowsy	\$399	\$399	\$289	\$289	\$369	\$312	\$230	\$230	\$23	\$349
61856	EEG, awake and asleep	\$459	\$459	\$333	\$333	\$422	\$356	\$263	\$263	\$23	\$400
95860	Muscle test, one limb	\$134	\$134	\$97	\$97	\$124	\$105	\$80	\$80	\$30	\$115
98886	Musc test done w/n test comp	868	66\$	\$72	\$72	\$93	\$79	\$61	\$61	\$66	\$85
95926	Somatosensory testing	\$148	\$148	\$107	\$107	\$140	\$119	\$88	\$88	\$58	\$132
95930	Visual evoked potential test	\$143	\$143	\$104	\$104	\$131	\$110	\$82	\$82	\$74	\$125
95951	EEG monitoring/video record	\$2,039	\$2,039	\$450	\$450	80	\$266	\$0	80	\$228	\$449
95957	EEG digital analysis	\$335	\$335	\$243	\$243	\$320	\$271	\$206	\$206	\$138	\$299
	Weighted Average % of Medicare Fees	N/A	N/A	63%	63%	%19	%95	39%	39%	33%	%59
	Ranking	N/A	N/A	_ 2	2	4	5	7	9	8	1
Central Ner	Central Nervous System Assessment Tests	00.00									
96102	96102 Psycho testing by technician	\$9\$	\$25	\$49	\$23	\$65	\$55	\$42	\$17	N/A	\$60
96110	Developmental test, lim	\$11	\$11	86	86	89	88	9\$	9\$	\$7	86
96111	Developmental test, extend	\$140	\$133	\$101	96\$	80	\$111	\$93	886	\$50	\$115
96116	Neurobehavioral status exam	\$6\$	\$92	\$72	\$70	80	\$80	29\$	\$63	\$53	\$82
96118	Neuropsych tst by psych/phys	\$104	\$83	\$84	89\$	66\$	\$84	69\$	\$57	\$40	\$87
	Weighted Average % of Medicare Fees	N/A	N/A	77%	78%	41%	76%	%09	%09	20%	82%
	Ranking	N/A	N/A	3	2	8	4	9	5	7	1

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	M	E C		VA	WW	WW		
Code	Procedure Description	NF	FA	NF	FA	DE	N.	Z Y	FA	PA	DC
Chemother	Chemotherapy Administration										2
96411	96411 Chemo, iv push, addl drug	69\$	69\$	\$53	\$53	\$63	\$53	\$40	\$40	\$53	860
96413	Chemo, iv infusion, 1 hr	\$153	\$153	\$126	\$126	\$138	\$116	98\$	886	\$125	\$130
96415	Chemo, iv infusion, addl hr	\$31	\$31	\$28	\$28	\$29	\$24	\$19	\$19	\$28	\$27
96417	Chemo iv infus each addl seq	\$72	\$72	\$62	\$62	\$64	\$54	\$40	\$40	\$62	09\$
96450	Chemotherapy, into CNS	\$198	287	\$179	\$75	\$185	\$157	\$121	\$58	\$77	\$171
96523	Irrig drug delivery device	\$27	\$27	\$21	\$21	\$25	\$21	\$15	\$15	\$19	\$24
	Weighted Average % of Medicare Fees	N/A	N/A	83%	83%	%06	%92	57%	57%	78%	85%
	Ranking	N/A	N/A	3	4	1	9	∞	7	5	2
Special Der	Special Dermatological Procedures										
01696	96910 Photochemotherapy with UV-B	62\$	879	\$57	\$57	\$73	\$62	\$44	\$44	\$20	69\$
96912	Photochemotherapy with UV-A	\$102	\$102	\$74	\$74	\$93	879	\$56	\$56	\$20	886
96920	96920 Laser tx skin < 250 sq cm	\$171	\$73	\$124	\$53	\$158	\$134	\$102	\$48	\$59	N/A
96921	Laser tx skin 250-500 sq cm	\$188	\$82	\$136	\$60	\$174	\$148	\$112	\$54	\$59	N/A
96922	96922 Laser tx skin >500 sq cm	\$259	\$132	\$188	96\$	\$242	\$205	\$157	988	86\$	N/A
	Weighted Average % of Medicare Fees	N/A	N/A	72%	72%	93%	78%	46%	71%	28%	57%
	Ranking	N/A	N/A	4	3	-	2	7	S	~	9
)	

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Procedure		MC	MC	MD	MD		VA	WV	WV		
Code	Procedure Description	NF	FA	NF	FA	DE	NF	NF	FA	PA	DC
Physical Mo	Physical Medicine and Rehabilitation Procedures										
97001	97001 Pt evaluation			\$72	\$72	\$76	\$64	\$52	\$52	\$45	898
97010	97010 Hot or cold packs therapy	2\$	23	\$5	\$5	\$6	\$5	\$4	\$4	\$17	9\$
97014	Electric stimulation therapy	21\$	\$17	\$13	\$13	\$16	\$14	\$11	\$11	\$17	\$15
97035	97035 Ultrasound therapy	\$14	\$14	\$10	\$10	\$13	\$11	86	86	\$10	\$12
97110	97110 Therapeutic exercises	\$35	\$35	\$29	\$29	\$33	\$28	\$22	\$22	\$8	\$29
97112	97112 Neuromuscular reeducation	\$37	\$37	\$27	\$27	\$34	\$29	\$23	\$23	\$17	\$31
97140	97140 Manual therapy	\$32	\$32	\$23	\$23	\$30	\$26	\$20	\$20	\$21	\$27
97530	Therapeutic activities	\$38	\$38	\$31	\$31	\$35	\$30	\$23	\$23	\$13	\$32
	Weighted Average % of Medicare Fees	N/A	N/A	87%	%18	103%	%88	%02	%02	54%	93%
	Ranking	N/A	N/A	4	4	1	3	7	9	8	2
Osteopathy,	Osteopathy, Chiropractic, and Other Medicine Procedures	lures									
98941	Chiropractic manipulation	\$43	\$37	\$32	\$27	\$41	\$35	\$29	\$25	\$13	80
99173	Visual acuity screen	\$4	\$4	\$3	\$3	\$3	\$2	\$2	\$2	9\$	\$3
99183	Hyperbaric oxygen therapy	\$119	\$119	\$107	\$86	\$112	96\$	\$81	\$81	\$107	66\$
9	Weighted Average % of Medicare Fees	N/A	N/A	78%	72%	92%	73%	62%	62%	138%	83%
	Ranking	N/A	N/A	4	9	2	5	8	7	-	3

MC: Medicare Part B; NF: non-facility (e.g., office); FA: facility (e.g., hospital); N/A: data not available or not applicable.

Table 7 compares states' Medicaid reimbursement rates as percentages of Medicare rates by physician specialty in 2017. It provides the last two rows of Table 6 for each of the specialty groups. The numbers in parentheses are the ranking of the regions for each physician specialty fees.

84% (4) 81% (4) 86%(2) 85%(2) 86% (2) 83%(1) 84% (2) 86% (4) 86% (2) 84% (2) 83%(5) 93%(2) 85% (2) 86%(1) 86%(1) 89% (2) 84% (7) 85% (3) 85%(1) 83% (4) 87% (2) 86%(2) 88%(2) 85%(2) 87% (2) 76% (2) 87%(2) 58% (5) 84%(3) 86%(1) Table 7. Comparison of States' Medicaid Reimbursement Rates as Percentages of Medicare Rates (Region Rank), by Specialty, in 2017 41% (8) 52% (8) 43% (8) 43%(8) 29%(8) 35%(8) 10%(1) 85% (2) 64% (8) 38% (8) 37% (8) (9) %09 40%(8) 34% (8) 53%(8) 79% (5) 137%(1) 39% (8) 36%(8) 62% (8) 72% (6) 16%(8) (9) %09 (9)%99(9) %02 40% (8) 28% (8) 46% (8) 54% (7) WV FA (9) %89 (9) %59 (9) % (9) 67% (5) 95% (2) 105%(1) (9) %69 (9) % (9) 59% (7) (1)%(0) (9) %59 48% (6) (9) %85 (2) %89 (9) %99 (9) % 29 (9) % 29 (9) %99 64% (7) (2) %99 (2) %09 58% (7) (9) %99 57% (6) 58% (7) 59% (7) 58% (6) 61%(5) 64% (6) 62% (7) WV NF (9) %49 62% (7) (9) %19 62% (6) 94% (3) (1) %69 (9) % (9) 105%(1) (8) %69 57% (7) 48% (6) 65% (7) 63% (7) 62% (7) 63% (7) 62% (7) (1) % (9) 62% (7) 64% (8) (1) %09 58% (7) 60% (1) 58% (8) 63% (7) 59% (7) 58% (6) 58% (7) (9) %19 (9) % 19 62% (8) VA NF 77% (3) 77% (3) 77% (3) 78% (4) 78% (4) 79% (5) 80% (5) 79% (3) 770% (5) 77% (5) 77% (3) 77% (3) 77% (4) 78% (3) 79% (5) 76% (5) 70% (5) (8) %18 85% (5) 86% (4) 77% (5) 73% (5) 82%(3) (2) %99 (9) %92 76% (2) 76% (5) 78% (3) 76% (3) 77% (4) 94%(1) (1) %901 (9) %98 94%(1) 101%(3) 45% (7) 49% (7) 96% (3) (1) %96 85% (2) 93%(1) 96% (2) 94%(1) 95%(1) 92%(1) (1) %06 92% (3) 93%(1) (2) %09 92%(1) 94%(1) 52% (8) 93%(1) (1) %06 92% (2) 92%(1) 92%(1) 92%(1) (1) %06 (1) %92 DE MD FA 76% (5) 86%(3) 73% (4) 73%(5) 77% (5) 72% (4) 95% (3) 91% (4) 83%(3) 79% (3) (9) %62 100%(1) 72% (4) 77% (4) 93%(2) 75%(5) 73% (5) 75% (4) (9) %84 82% (3) 81%(3) 73% (4) 73% (3) 79% (2) 72% (3) 77% (3) 72% (6) 77% (4) 83% (4) 87%(3) MD NF 88%(2) 76% (4) 73% (4) 78% (3) 83%(2) 72% (5) 76% (4) 79% (2) 91%(5) 103%(1) 83% (2) 79% (3) (9) %62 72% (4) 77% (4) 74% (4) 100% (2) 77% (3) 82%(3) 81%(3) 73% (4) (2) %84 86% (4) 73% (3) 93%(1) 79% (3) 83% (3) 77% (3) 79% (4) 72% (4) 30-Osteopathy, Chiropractic, and Other Medicine 6-Hemic, Lymphatic System, and Mediastinum 26- Central Nervous System Assessment Tests 22-Noninvasive Vascular Diagnostic Studies 29-Physical Medicine and Rehabilitation 8-Urinary System and Male Genital 21-Cardiovascular System - Medical 5-Cardiovascular System - Surgical 19-Ophthalmology and Vision Care 27-Chemotherapy Administration 25-Neurology and Neuromuscular 20-ENT (Otorhinolaryngology) 1-Evaluation & Management 9-Gynecology and Obstetrics 24-Allergy and Immunology 3-Musculoskeletal System 28-Special Dermatological 2-Integumentary System 4-Respiratory System 10-Endocrine System 18-Gastroenterology 11-Nervous System 7-Digestive System 12-Eye Surgery 13-Ear Surgery 15-Laboratory 23-Pulmonary 16-Psychiatry 14-Radiology 17-Dialysis

Tables B1 through B3 in Appendix B depict numbers of primary care and specialty physicians per 10,000 populations in the United States, and by state. Maryland is ranked sixth in the nation.

V. Trauma Center Payment Issues

In 2003, SB 479 (Chapter 385 of the Acts of 2003) created a Trauma and Emergency Medical Fund, which is financed by motor vehicle registration surcharges. The Maryland Health Care Commission (MHCC) and the Health Services Cost Review Commission (HSCRC) have oversight responsibility for the fund. Based on the law, Maryland Medicaid is required to pay physicians 100 percent of the Medicare facility rates for the Baltimore region when they provide trauma care to Medicaid FFS and HealthChoice program enrollees. The enhanced Medicaid fees apply only to services rendered in trauma centers designated by the Maryland Institute for Emergency Medical Services Systems to patients who are placed on Maryland's Trauma Registry. Initially, the enhanced Medicaid fees were limited to trauma surgeons, critical care physicians, anesthesiologists, orthopedic surgeons, and neurosurgeons. However, HB 1164 (Chapter 484 of the Acts of 2006) extended the enhanced rates to any physician who provides trauma care to Medicaid beneficiaries. MHCC and HSCRC fully cover the additional outlay of general funds that the Maryland Medical Assistance program pays due to enhanced trauma fees (i.e., the state's share of the difference between current Medicare rates and Medicaid rates). MHCC pays physicians directly for uncompensated care and on-call services.

VI. Reimbursement for Oral Health Services

The Maryland Medicaid program covers dental benefits for children, pregnant women, and Rare and Expensive Case Management (REM) adult populations. In addition, former foster care children continue to receive dental services until they become 25. This benefit began January 2017. At this time, the Department does not reimburse for adult dental benefits; however, some of the MCOs cover these benefits from their own monies.⁸

Historically, the Maryland Medical Assistance program has paid low dental fees. Unlike fees for physician services, there is no federal public program (such as Medicare) that serves as a benchmark for oral health service fees. The American Dental Association (ADA) published a biennial survey that reported the average national and regional fees for approximately 165 common dental procedures and offered data for comparison.

During the 2003 session, the Maryland General Assembly allocated \$7.5 million through budgetary language to increase Medicaid fees for dental procedures. Effective March 1, 2004, MCOs were required to reimburse their contracted providers at the ADA's then-current 50th percentile of charges for 12 restorative procedures. At the same time, Medicaid increased FFS rates to the ADA's 50th percentile levels for the 12 restorative procedures.

⁸ The Early and Periodic Screening, Diagnosis, and Treatment (EPSDT) is a required package of benefits for all Medicaid participants under the age of 21 years. While EPSDT mandates dental care coverage for children, federal law does not mandate any minimum requirements for adult dental coverage through Medicaid.

In June 2007, the Department convened the Dental Action Committee to increase access to dental care services for children of low income families in Maryland. The Dental Action Committee recommended increasing the dental reimbursement rates to the 50th percentile of the ADA's South Atlantic region charges for all dental procedures. Subsequently, SB 545 (Chapter 589 of the Acts of 2008) allocated \$7 million in state funds (\$14 million with matching federal funds) for increasing dental fees in FY 2009. The rate increase targeted preventive procedures and went into effect on July 1, 2008.

Based on the Dental Action Committee's recommendations, an administrative service organization (ASO) was formed to coordinate the provision of dental services for Medicaid beneficiaries. Currently, Scion Dental is the ASO for the Maryland Healthy Smiles Dental Program.

Fees for some dental procedures were streamlined and adjusted, effective July 1, 2009, to coincide with the provision of all Medicaid dental services through the ASO.

In FY 2015, the General Assembly allocated approximately \$940,000 in state general funds (\$2.15 million with matching federal funds) to increase fees for five dental procedures in January through June 2015. The annual equivalent of \$4.3 million was earmarked for the following five procedures. Table 8 presents current Maryland Medicaid dental fees, compared with median ADA fees in 2013 for the five selected dental procedures for which fees increased in January 2015.

Table 8. Maryland Medicaid Dental Fees Compared with Median ADA Fees

Procedure Code	Description	Median ADA fees in 2013	Medicaid 2014 Fees	Medicaid 2015 Fees
D1208	Topical Application of Fluoride	\$33.00	\$21.60	\$23.00
D1330	Oral Hygiene Instructions	\$16.00	\$0.00	\$6.00
D2940	Protective Restoration	\$100.00	\$18.00	\$50.00
D3120	Pulp Cap, Indirect	\$70.00	\$15.00	\$35.00
D9941	Athletic Mouth-guard	\$206.00	\$40.00	\$103.00

Table 9 shows Maryland Medicaid weighted average dental fees by specialty groups of procedures, before and after the fee increase, as percentages of the ADA's 50th percentile of charges.

Table 9. Average of Maryland Medicaid Dental Fees as a Percentage of the ADA's 50th Percentile of Charges, by Procedure Group, CYs 2014 and 2015

Procedure Group	2014 Average Fees	2015 Average Fees	
D0100-D1999 Diagnostic & Preventive Procedures	57%	59%	
D2000-D2999 Restorative Procedures	56%	57%	
D3000-D3999 Endodontics	62%	64%	
D4210-D6999 Periodontics & Prosthodontics	51%	51%	

D7000-D7999 Oral and Maxillofacial Surgery	59%	59%
D8000-D9999 Orthodontics & Adjunctive General Services	32%	32%
All Procedures Combined	54%	55%

Table 10 compares Maryland Medicaid dental fees for selected high-volume procedures with the corresponding fees in Delaware, Virginia, West Virginia, Pennsylvania, and Washington, D.C. Numbers of claims in Maryland were used to calculate the weighted average rank of Maryland and its neighboring states' fees.

The ranks of states' weighted average fees are: Delaware (first), Washington, D.C. (second), Maryland (third), West Virginia (fourth), Virginia (fifth), and Pennsylvania (sixth). ADA fees correspond to CY 2013, and the states' fees correspond to CY 2015.

Table 10. Comparison of Maryland Medicaid and Neighboring States' 2015 Dental Fees

Procedure Code	Procedure Description	ADA	MD	DE	VA	WV	PA	DC
D0120	Periodic oral evaluation	\$45	\$29	\$46	\$20	\$25	\$20	\$35
D0140	Limited oral evaluation, problem focus	\$65	\$43	\$69	\$25	\$35	N/A	\$50
D0145	Oral evaluation, pt < 3yrs	\$55	\$40	\$63	\$20	\$25	\$20	\$40
D0150	Comprehensive oral evaluation	\$73	\$52	\$81	\$31	\$35	\$20	\$78
D1110	Prophylaxis – adult (12 years of age and older)		\$58	\$83	\$47	\$55	\$36	\$78
D1120	Dental prophylaxis child	\$61	\$42	\$63	\$34	\$40	\$30	\$47
D1206	Topical fluoride varnish	\$35	\$25	\$39	\$21	\$20	\$18	\$29
D1351	Dental sealant per tooth	\$48	\$33	\$50	\$32	\$30	\$25	\$38
D7140	Extraction erupted tooth	\$155	\$103	\$164	\$69	\$80	\$65	\$110
D9248	Nonintravenous conscious sedation	\$170	\$187	\$295	\$110	0	\$184	0
Ranking		N/A	3	1	5	4	6	2

Table B4 in Appendix B depicts number of dentists and per 10,000 populations in the United States. Maryland ranks 7^{th} in the nation.

VII. Physician Participation in the Maryland Medicaid Program

Physician claims and encounter data pertaining to FY 2002 (the year before the July 2002 fee increase) and FYs 2014 - 2017 were analyzed to determine the number of physicians who partially and fully participated in the Medicaid program.

Because of incurred but not reported (IBNR) claims, FY 2017 FFS claims and MCO encounter data were not complete. Consequently, they showed an insignificant decrease in the total number

of participating physicians in FY 2017 compared with FY 2016. This phenomenon was also observed in previous years. Therefore, FY 2016 data were used as the last year for comparison in Tables 11 - 13.

Tables 11 – 13 show the percentage changes in the numbers of participating physicians from all specialties (including primary care) who participated in the FFS program, MCO networks, and the Medicaid program overall. Physicians with fewer than 25 claims during each fiscal year are included in the data for all physicians, but are not shown separately. Physicians who submitted more than 25 claims, but treated fewer than 50 Medicaid patients, are considered partial participants in the Medicaid program. Physicians who treated at least 50 Medicaid patients during the year are considered full participants in the Medicaid program.

The data in Table 11 demonstrate significant increases in physician participation in the FFS program, MCO networks, and the Medicaid program overall between FYs 2002 and 2016.

Table 11. Percentage Changes in the Numbers of Participating Physicians of All Specialties, FY 2002 – 2016

10	FFS	MCO Networks	Total Medicaid
Partial Participation	64.1%	52.9%	101.8%
Full Participation	137.7%	243.4%	214.0%
All Physicians	63.9%	109.6%	192.7%

Because some physicians participate in both FFS and MCO networks, the percentages of all physicians participating in the Medicaid program do not equal the sum of FFS and MCO network physicians. Notice the significant increases in the numbers of physicians who fully participate in the Medicaid FFS program and HealthChoice MCOs.

Similarly, examination of the data in Table 12 shows that, following the increase in reimbursement rates for E&M procedures in CYs 2013 and 2014, and as they remain above 90 percent of Medicare fees, physician participation increased between FYs 2014 and 2016.

Table 12. Percentage Change in the Number of Participating Physicians of All Specialties, FYs 2014 – 2016

	FFS	MCO Networks	Total Medicaid
Partial Participation	8.4%	1.7%	4.6%
Full Participation	29.8%	14.3%	16.2%
All Physicians	7.4%	3.7%	6.0%

The data in Table 12 show that physician participation in the FFS program and MCO networks increased between FYs 2014 and 2016. Furthermore, the numbers of physicians who fully participated in both FFS and MCO networks substantially increased. Table 13 shows that the increasing trend in total physician participation in the Medicaid program continued between FYs 2015 and 2016, especially among physicians who are full participants and treat 50 or more Medicaid patients. The 1.1 percent decrease among partial participants in the FFS program is a result of some previous partial participants deciding to fully participate in the Medicaid program.

Table 13. Percentage Change in the Number of Participating Physicians of All Specialties, FYs 2015 and 2016

	FFS	MCO Networks	Total Medicaid
Partial Participation	-1.1%	5.7%	3.4%
Full Participation	3.8%	2.7%	2.8%
All Physicians	2.7%	2.7%	3.1%

Although national data pertaining to previous years have shown that fewer physicians are providing services to higher numbers of Medicaid beneficiaries, the increase in Medicaid fees for E&M procedures to Medicare fee levels in CYs 2013 and 2014 offered a financial incentive for physicians to participate in the Maryland Medicaid program, resulting in a significant increase in the number of physicians fully participating in Medicaid. However, the increase in the number of participating physicians following Medicaid expansion under the ACA is partly the result of a substantial increase in the number of Medicaid beneficiaries.

Therefore, to separate the effects of the increase in fees on physician participation from the effects of the increase in Medicaid enrollment, we conducted an additional analysis in which we calculated the number of claims per enrollee for each year, beginning in FY 2002 (see Table 14). For this analysis, we excluded radiology and laboratory procedures for all years, because they may not be representative of patient access to physician services.

Table 14. Number of Claims per Medicaid Enrollee, FYs 2002 - 2016 9

Fiscal Year	Average Monthly Medicaid Enrollment	Number of Physician Claims and Encounters	Average Number of Claims Per Enrollee	Annual Percentage Increase in Claims Per Enrollee
2002	617,929	3,903,991	6.3	N/A
2003	652,414	4,274,666	6.6	3.7%
2004	669,021	4,758,155	7.1	8.5%
2005	687,269	4,816,418	7.0	-1.5%
2006	690,227	5,159,342	7.5	6.7%
2007	700,930	5,491,876	7.8	4.8%
2008	709,832	5,912,029	8.3	6.3%
2009	772,582	6,620,713	8.6	2.9%
2010	867,788	7,765,486	8.9	4.4%
2011	951,716	8,733,375	9.2	2.5%
2012	1,013,543	9,256,308	9.1	-0.5%
2013	1,066,815	9,771,057	9.2	0.3%
2014	1,181,231	10,725,539	9.1	-0.9%
2015	1,310,720	11,857,958	9.0	-0.4%

-

⁹ The source of "Average Monthly Medicaid Enrollment" data used for this table is the Medicaid enrollment data maintained in the University of Maryland, Baltimore County Hilltop Institute's Decision Support System (DSS).

Fiscal Year	Average Monthly Medicaid Enrollment	Number of Physician Claims and Encounters	Average Number of Claims Per Enrollee	Annual Percentage Increase in Claims Per Enrollee
2016	1,278,996	11,428,621	8.9	-1.2%

N/A: Not Applicable

The continued increase in the average number of claims per enrollee shows that, as physician reimbursement rates increased in FY 2003 and subsequently during the FYs 2006 – 2009 period, the utilization of physician services by Medicaid enrollees increased steadily, from an average of 6.3 claims per enrollee in FY 2002 to an average of 8.9 claims per enrollee in FY 2016. This is a 41 percent increase in the utilization of physician services by Medicaid enrollees, which is a proxy for the increase in the participation of physicians in the Maryland Medicaid program and may be interpreted as an increase in the access of Medicaid enrollees to physician services. The average number of claims per enrollee has fluctuated between 8.9 and 9.2 since FY 2010.

The slight decrease in the average number of claims per enrollee in recent years is consistent with the trend in Maryland Medicaid reimbursement rates for E&M procedures used by most physicians. In 2013, the Medicaid reimbursement rate for E&M procedures was highest and equal to Medicare rates in Maryland. In 2014, Medicare E&M fees declined. In 2015, Maryland Medicaid reimbursement rates for E&M procedures decreased to 87 percent of Medicare rates. For 2016, Maryland Medicaid E&M rates increased to approximately 92 percent of Medicare rates for the Baltimore region. Another possible explanation for the minor decline in the number of claims per enrollee is the recent decline in Medicaid enrollment.

Comparison of Access to Medical Care for Medicaid and Private Coverage

In a report published in November 2012, the U.S. Government Accountability Office (GAO) analyzed two national surveys—the National Health Interview Survey and the Medical Expenditure Panel Survey—for 2008 and 2009 to evaluate the extent to which Medicaid beneficiaries reported difficulties obtaining medical care. These national surveys rely on information reported by individuals who voluntarily participate in the surveys. The GAO compared the results for Medicaid with private/commercial insurance coverage.

The GAO found that:

Beneficiaries covered by Medicaid for a full year reported low rates of difficulty obtaining necessary medical care and prescription medicine, similar to those with private insurance coverage for a full year. In calendar years 2008 and 2009, approximately 3.7 percent of Medicaid beneficiaries enrolled for a full year, and 3 percent of individuals enrolled in private insurance for a full year reported difficulties obtaining needed medical care; the difference between these two groups was not statistically significant. In addition, 2.7 percent of full-year Medicaid beneficiaries reported difficulty obtaining needed prescription medicines, and about 2.4 percent of individuals with full-year private insurance reported the same

issue—also not statistically significant (United States Government Accountability Office, November 2012).

However, 5.4 percent of full-year Medicaid beneficiaries (children and adults), compared with 3.7 percent of individuals with full year private insurance coverage, reported experiencing difficulty obtaining necessary dental care. (United States Government Accountability Office, November 2012). 10

A study published in the *Journal of General Internal Medicine* used descriptive and multivariate analysis to examine Medical Expenditure Panel Survey data from 2005-2008 and concluded that Medicaid is more effective at providing access to affordable health care coverage than either private insurance or Medicare. Given the fact that nationally more than one-third of low-income adults were underinsured during this time, this study highlights the importance of safety net programs such as Medicaid. The authors of this study (Magge, Cabral, Kazis, and Sommers) indicate that, in a comparison of different insurance groups, Medicaid beneficiaries were less likely to be underinsured than privately insured adults were (2013).

A study published in the American Journal of Public Health examined the effects of expanding eligibility to Medicaid and the State Children's Health Insurance Program (SCHIP) on trends of national childhood (i.e., children aged 1 – 17 years) mortality, Howell, Decker, Hogan, Yemane, & Foster (2010) analyzed childhood mortality by state and age. The researchers used the National Center for Health Statistics' multiple cause of death files over 20 years, from 1985 to 2004. They found that childhood mortality continued to decline in the United States. In fact, this decline was substantial, and expanded Medicaid and SCHIP eligibility was a significant factor in the decline in mortality.

VIII. Plan for the Future

The Department remains dedicated to ensuring that physicians are reimbursed equitably for their services. The provision of the ACA that required parity of reimbursement rates for E&M procedures with the rates paid by Medicare expired at the end of 2014.

Although Maryland Medicaid reimbursement rates for E&M services have decreased compared with Medicare rates, the State has allocated funds to maintain them at approximately 92 percent of Medicare reimbursement rates. Furthermore, the Department will continue to monitor provider network adequacy to ensure that patients' access to care is not compromised.

The Medicare Access and CHIP Reauthorization Act of 2015 (MACRA) repealed the sustainable growth rate formula used for the annual update of Medicare physician fees under the RBRVS.

¹⁰ As noted above, while EPSDT mandates dental care coverage for children, federal law does not mandate any minimum requirements for adult dental coverage through Medicaid. The Maryland Medicaid program covers dental benefits for children, pregnant women, and Rare and Expensive Case Management (REM) adult populations. In addition, former foster care children continue to receive dental services until they become 25. This benefit began January 2017. At this time, the Department does not reimburse for adult dental benefits; however, some of the MCOs cover these benefits from their own monies.

MACRA also will replace Medicare's multiple quality of care reporting programs with a Merit-Based Incentive Payment System program that will reward physicians for providing high-quality, high-value health care, as well as for participating in new payment and delivery models to improve the efficiency of care while preserving the FFS system. Beginning in 2019, MACRA will provide bonuses for physicians who score well in the Merit-Based Incentive Payment System's (MIPS) quality reporting program (American Medical Association, May 2015). The Department strongly supports federal efforts to enhance the payment system and will continue to monitor them closely.

Appendix A: Medicare Resource-Based Relative Value Scale and Anesthesia Reimbursement

Resource-Based Relative Value Scale

Medicare payments for physician services are made according to a fee schedule. The Medicare Resource-Based Relative Value Scale (RBRVS) methodology relates payments to the resources and skills that physicians use to provide services. There are three components that determine the relative weight of each procedure: physician work, practice expense, and malpractice expense. A geographic cost index and conversion factor are used to convert the weights to fees.

The Centers for Medicare & Medicaid Services (CMS) determines the associated relative value units (RVUs) and various payment policy indicators needed for payment adjustment of approximately 10,000 physician procedures. The RVU weights reflect the resource requirements of each procedure performed by physicians. Medicare fees are adjusted depending on the site in which each procedure is performed. For example, Medicare fees for some procedures are lower if they are performed in facilities (e.g., hospitals and skilled nursing facilities) than if they are performed in non-facilities (e.g., offices), where physicians must pay for practice expenses. The implementation of RBRVS methodology in 1992 resulted in increased payments for office-based (non-facility) procedures and reduced payments for hospital-based procedures.

Medicare physician fees are adjusted to reflect the variations in practice costs for different areas. A geographic practice cost index (GPCI) has been established for every Medicare payment locality for each of the three components of a procedure's RVUs (i.e., physician work, practice expense, and malpractice expense). Each locality's GPCIs are used to calculate fees by multiplying the RVU for each component by the GPCI for that component. The resulting weights are multiplied by a conversion factor to determine the payment for each procedure.

Previously, CMS updated the conversion factor based on the sustainable growth rate system, which tied the updates to growth in the national economy. The Medicare Access and CHIP Reauthorization Act of 2015 (MACRA) repealed the sustainable growth rate formula. Under MACRA, the annual update of the conversion factor for physician fee schedules is 0.5 percent for July 2015 through 2019 and 0 percent for 2020 through 2025. MACRA requires the use of two separate conversion factors for each year beginning with 2026: one for services provided by physicians participating in an alternative payment model (APM conversion factor), and another for services provided by other physicians. The annual update for 2026 and subsequent years will be 0.75 percent for physicians who participate in the alternative payment model and 0.25 percent for all other physicians.

Payment for Anesthesia Procedures

Prior to December 1, 2003, reimbursement for anesthesia services in the Maryland Medicaid program was based on a percentage of the surgical fee. The program in general did not use the anesthesia CPT codes, but rather the surgical CPT codes with a modifier. The Health Insurance Portability and Accountability Act of 1996 (HIPAA) required that national standard code sets be used. In late 2003, the Medicaid program complied with the federal standards and began

transitioning from a fixed anesthesia rate for each surgical procedure to Medicare's national methodology.

Medicare payments for anesthesia services represent a departure from RBRVS methodology. Medicare's methodology recognizes anesthesia time as the key element for determining the payment rate. The anesthesia time for any additional procedures performed during the same operative session is added to the time for the primary procedure. This time is then converted to units, with 15 minutes equal to one unit.

More than 5,000 surgical procedure codes exist, but there are fewer than 300 anesthesia codes. Each anesthesia procedure code has a non-variable (fixed) number of base units. Similar to RBRVS, the base units represent the difficulty associated with a given group of procedures. The base units for the selected anesthesia codes are added to the units related to anesthesia time, and the result is multiplied by a conversion factor to determine the payment amount. The Maryland Medicaid program calculates the payment slightly differently, but the net result is the same.

Appendix B: Number of Physicians and Dentists in Each State and per 10,000 Population in CY 2017

Source: All data for numbers of physicians and dentists in this appendix were downloaded from the website of the Kaiser Family Foundation, State Health Facts: https://www.kff.org/

Annual Estimates of the Resident Population for the United States in 2016 are from the Census Bureau, U.S. Department of Commerce. They were downloaded from the following website on November 11, 2017:

https://www.census.gov/data/tables/2016/demo/popest/state-total.html

Physician data include all active allopathic and osteopathic physicians. Data in the last column of Table B.1 are based on numbers of physicians in patient care per 10,000 population. Maryland ranks sixth in the number of physicians per 10,000 population among all states and the District of Columbia.

Dentist data include all professionally-active dentists. Maryland has the seventh highest number of dentists per 10,000 people among all states.

Table B.1. Number of Physicians by State in CY 2017, Ranked by Number per 10,000
Population

Rank	Geographic Location	Primary Care Specialist Physicians 443,962 479,346		Total Physicians	Active Physicians Per 10,000 Population 28.6	
	United States			923,308		
	District of					
1 6.4	Columbia	2,842	3,682	6,524	95.8	
2	Massachusetts	14,419	18,059	32,478	47.7	
3	Rhode Island	2,236	2,344	4,580	43.4	
4	New York	37,245	44,165	81,410	41.2	
5	Connecticut	6,347	7,791	14,138	39.5	
6	Maryland	10,281	12,432	22,713	37.8	
7	Pennsylvania	22,256	24,033	46,289	36.2	
8	Michigan	16,969	18,117	35,086	35.3	
9	Vermont	1,029	1,089	2,118	33.9	
10	Ohio	17,921	20,669	38,590	33.2	
11	Maine	2,297	2,073	4,370	32.8	
12	New Jersey	13,699	14,224	27,923	31.2	
13	Illinois	20,114	19,368	39,482	30.8	
14	Minnesota	8,181	8,715	16,896	30.6	
15	Missouri	8,753	9,897	18,650	30.6	
16	Delaware	1,386	1,490	2,876	30.2	
17	New Hampshire	1,885	2,102	3,987	29.9	
18	West Virginia	2,636	2,499	5,135	28.0	
19	Wisconsin	7,784	8,383	16,167	28.0	
20	Washington	9,901	10,240	20,141	27.6	
21	Nebraska	2,690	2,555	5,245	27.5	
22	Oregon	5,478	5,659	11,137	27.2	
23	Tennessee	8,386	9,583	17,969	27.0	
24	Louisiana	5,786	6,706	12,492	26.7	
25	California	50,046	53,880	103,926	26.5	
26	North Carolina	12,456	13,689	26,145	25.8	
27	Virginia	10,747	10,789	21,536	25.6	
28	Florida	25,559	26,777	52,336	25.4	
29	New Mexico	2,694	2,575	5,269	25.3	
30	Kansas	3,837	3,499	7,336	25.2	
31	Iowa	4,112	3,778	7,890	25.2	
32	Colorado	6,801	6,857	13,658	24.7	
33	Kentucky	5,044	5,893	10,937	24.6	

Rank	Geographic Location	Primary Care Physicians	Specialist Physicians	Total Physicians	Active Physicians Per 10,000 Population
34	North Dakota	1,016	835	1,851	24.4
35	Hawaii	1,766	1,713	3,479	24.4
36	Arizona	8,042	8,750	16,792	24.2
37	Alaska	985	809	1,794	24.2
38	Indiana	7,754	8,204	15,958	24.1
39	South Carolina	5,953	5,978	11,931	24.0
40	Alabama	5,499	5,800	11,299	23.2
41	Georgia	11,639	11,717	23,356	22.7
42	Oklahoma	4,555	4,299	8,854	22.6
43	Arkansas	3,267	3,390	6,657	22.3
44	South Dakota	994	888	1,882	21.7
45	Texas	28,760	31,037	59,797	21.5
46	Montana	1,119	1,106	2,225	21.3
47	Mississippi	3,024	3,171	6,195	20.7
48	Utah	2,807	3,375	6,182	20.3
49	Wyoming	599	532	1,131	19.3
50	Nevada	2,848	2,826	5,674	19.3
51	Idaho	1,518	1,304	2,822	16.8

Table B.2. Primary Care Physicians by Field, CY 2017

		Family	c i nysicians	by Field, CY	2017	
Geographic	Internal	Medicine/ General		Obstetrics and		Total Primary
Location	Medicine	Practice	Pediatrics	Gynecology	Geriatrics	Care
United States	182,077	130,186	80,564	49,841	1,294	443,962
Alabama	2,167	1,752	948	624	8	5,499
Alaska	207	546	134	97	1	985
Arizona	3,128	2,574	1,381	914	45	8,042
Arkansas	820	1,583	571	285	8	3,267
California	20,408	14,207	9,754	5,559	118	50,046
Colorado	2,326	2,584	1,099	773	19	6,801
Connecticut	3,503	735	1,214	886	9	6,347
Delaware	457	370	404	152	3	1,386
District of					(i+	
Columbia	1,453	307	719	357	6	2,842
Florida	10,728	7,754	4,404	2,576	97	25,559
Georgia	4,608	3,208	2,256	1,545	22	11,639
Hawaii	728	464	312	259	3	1,766
Idaho	357	858	151	149	3	1,518
Illinois	8,824	5,587	3,455	2,213	35	20,114
Indiana	2,527	3,156	1,218	832	21	7,754
Iowa	1,132	2,061	590	317	12	4,112
Kansas	1,102	1,692	644	393	6	3,837
Kentucky	1,822	1,759	859	594	10	5,044
Louisiana	2,262	1,640	1,100	777	7	5,786
Maine	755	1,019	315	193	15	2,297
Maryland	5,325	1,647	2,057	1,220	32	10,281
Massachusetts	8,411	1,813	2,881	1,284	30	14,419
Michigan	6,798	5,575	2,407	2,139	50	16,969
Minnesota	3,003	3,290	1,152	715	21	8,181
Mississippi	1,087	1,057	486	392	2	3,024
Missouri	3,493	2,601	1,625	991	43	8,753
Montana	331	555	118	113	2	1,119
Nebraska	848	1,168	412	259	3	2,690
Nevada	1,297	842	398	305	6	2,848
New Hampshire	814	548	315	201	7	1,885
New Jersey	6,502	2,505	2,949	1,687	56	13,699
New Mexico	906	1,038	487	261	2	2,694
New York	19,101	5,876	7,867	4,329	72	37,245
North Carolina	4,710	3,744	2,383	1,560	59	12,456
North Dakota	314	549	99	51	3	1,016
Ohio	7,206	5,093	3,554	1,987	81	17,921
Oklahoma	1,238	2,161	679	466	11	4,555

Geographic Location	Internal Medicine	Family Medicine/ General Practice	Pediatrics	Obstetrics and Gynecology	Geriatrics	Total Primary Care
Oregon	2,317	1,838	738	570	15	5,478
Pennsylvania	9,526	6,685	3,494	2,409	142	22,256
Rhode Island	1,227	253	503	250	3	2,236
South Carolina	1,973	2,184	1,043	734	19	5,953
South Dakota	313	483	117	79	2	994
Tennessee	3,360	2,387	1,610	1,019	10	8,386
Texas	10,248	9,034	5,690	3,695	93	28,760
Utah	866	971	622	344	4	2,807
Vermont	381	349	194	104	1	1,029
Virginia	3,959	3,461	2,036	1,261	30	10,747
Washington	3,387	4,099	1,514	873	28	9,901
West Virginia	889	1,141	353	247	6	2,636
Wisconsin	2,798	3,034	1,197	742	13	7,784
Wyoming	135	349	56	59	0	599

Note: Physician data include all allopathic and osteopathic physicians.

Table B.3. Specialist Physicians by Field, CY 2017

						T	T			Г			T	T	T	T								Τ	T		T
	Ę	Lotal	479.346	5 800	809	8.750	3.390	53.880	6.857	7.791	1 490	3,682	200,0	11 717	1 713	1.304	19.368	8.204	3.778	3,499	5.893	6.706	2.073	12 /32	12,432	18.059	18,117
	All Other Specialtie	s	182,977	2.392	304	3.330	1.392	21.001	2,562	2,807	516	1 427	10 785	4.339	645	536	7.126	2.957	1,441	1,352	2,314	2.857	648	5.05/	1,0,0	5.972	6,802
	Endocrinolog y, Diabetes, and	Metabolism	7,254	65	7	96	40	741	92	197	12	08	382	150	20	10	332	130	35	40	99	88	15	234		423	210
11071	-	Olicology	18,055	208	12	242	125	1,667	211	303	54	691	1.000	416	34	28	717	310	130	121	181	224	65	009		995	601
o con a con a	Cardiolog	۸.	30,271	385	36	501	186	3,003	330	561	103	256	2.004	762	70	48	1,289	534	245	207	347	441	120	775		1,424	826
	Radiolog	*	44,643	622	64	822	346	4,666	576	742	190	274	2,541	1,118	147	155	1,863	836	382	322	516	545	185	1.023		1,821	1,813
TOT TO STATE OF STATE	Emergenc v Medicine	amaman f	48,851	399	122	982	294	5,314	861	989	200	306	2,615	1,261	202	164	2,283	873	309	255	622	682	284	088	0	1,480	2,823
	Anesthesiol	Sec.	46,971	550	81	1,031	322	5,682	822	612	93	261	2,674	1,161	167	109	1,948	1,118	440	361	582	548	201	1,122		1,639	1,492
	Surgery	6.00	48,921	700	79	910	352	4,965	644	747	162	378	2,632	1,344	156	148	1,893	908	487	425	721	745	262	1,152		1,663	1,953
	Psychiatr v	•	51,403	479	104	836	333	6,841	759	1,136	160	531	2,144	1,166	272	106	1,917	640	309	416	544	576	293	1,592		2,642	1,445
	Location	United	States	Alabama	Alaska	Arizona	Arkansas	California	Colorado	Connecticut	Delaware	District of Columbia	Florida	Georgia	Hawaii	Idaho	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Maryland	Massachusett	S	Michigan

Surgery ogy y Medicine y Oncology 904 642 832 978 647 367 904 642 832 978 647 367 940 1,028 1,032 973 1,013 54 101 127 139 127 113 54 253 305 310 200 252 171 253 305 310 200 252 171 258 273 373 358 254 175 258 273 373 358 254 175 1,569 1,361 1,516 1,338 1,194 1,131 357 242 247 333 210 128 4,386 3,830 3,684 2,858 1 1,194 1,131 70 65 94 34 1,628 2,205 1,896 1,346 2,49 1,346		Psychiatr		Anesthesiol	Emergenc	Radiolog	Cardiolog		Endocrinolog y, Diabetes, and	All Other Specialtie		
782 904 642 832 978 647 367 262 382 282 330 304 179 111 Missouri 940 1,028 1,032 973 1,013 622 372 Montana 101 127 139 127 113 54 29 Newbraka 253 305 310 200 252 171 91 New Mexico 251 241 208 206 175 142 77 New Jersey 1,569 1,361 1,516 1,338 1,194 1,131 524 New Mexico 357 242 247 333 210 128 76 New Mexico 357 242 247 333 210 128 76 North Carolina 1,492 1,442 1,668 1,492 1,442 486 524 398 227 180 Ohio 1,628 2,205	Location	'n	Surgery	0go	y Medicine	y	y	Oncology	Metabolism	s	To	Total
262 382 282 330 304 179 111 Missouri 940 1,028 1,032 973 1,013 622 372 Montana 101 127 139 127 113 54 29 Nevada 253 305 310 200 252 171 91 Newada 258 273 373 358 254 175 77 New Hampshire 251 241 208 206 175 142 77 New Jersey 1,569 1,361 1,516 1,338 1,194 1,131 524 New Mexico 357 242 247 333 210 128 76 New Mexico 357 242 247 333 210 128 76 New Jork 6,382 3,925 3,938 3,830 3,684 2,858 1,913 North Dakota 119 131 70 65 <th>Minnesota</th> <th></th> <th>904</th> <th>642</th> <th>832</th> <th>826</th> <th>647</th> <th>367</th> <th>160</th> <th>3,403</th> <th>8,7</th> <th>8,715</th>	Minnesota		904	642	832	826	647	367	160	3,403	8,7	8,715
Missouri 940 1,028 1,032 973 1,013 622 Montana 101 127 139 127 113 54 Nevada 253 305 310 200 252 171 Nevada 258 273 373 358 254 175 New Jersey 1,569 1,361 1,516 1,338 1,194 1,131 New Jersey 1,569 1,361 1,516 1,338 1,194 1,131 New Mexico 357 242 247 333 210 128 New Mexico 357 242 1,668 1,492 1,276 883 North Dakota 119 131 70 65 <th>Mississipp</th> <th></th> <th>382</th> <th>282</th> <th>330</th> <th>304</th> <th>179</th> <th>1111</th> <th>44</th> <th>1,277</th> <th>3,1</th> <th>3,171</th>	Mississipp		382	282	330	304	179	1111	44	1,277	3,1	3,171
a 101 127 139 127 113 54 a 253 305 310 200 252 171 se 258 273 373 358 254 175 see 251 241 208 206 175 142 sey 1,569 1,361 1,516 1,338 1,194 1,131 sxico 357 242 247 333 210 128 rk 6,382 3,925 3,938 3,830 3,684 2,858 arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 65 94 34 akota 605 636 637 660 474 256 vania 2,492 2,757 2,154 2,751 2,361 1,779 vania 2,692 2,757 2,154 2,751 2,361 1,779		Misso	940		,032	973	1,013	622	372	168	3,749	6,897
a 253 305 310 200 252 171 ire 258 273 373 358 254 175 sey 1,569 1,361 1,516 1,338 1,194 1,131 sxico 357 242 247 333 210 128 rk 6,382 3,925 3,938 3,830 3,684 2,858 arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 65 94 34 na 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 vania 2,605 637 660 474 256 vania 2,60 2,757 2,154 2,751 2,361 1,779 sland 2,60 2,68 119 343 195 154		Montana	101		139	127	113	54	29	7	409	1,106
ire 258 273 373 358 254 175 sey 1,569 1,361 1,516 1,338 1,194 1,131 sxico 357 242 247 333 210 128 rk 6,382 3,925 3,938 3,830 3,684 2,858 arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 65 94 34 akota 11,628 2,205 1,831 2,439 1,806 1,346 na 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195 154 sland 260 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195		Nebraska	253		310	200	252	171	91	36	937	2,555
ire 251 241 208 206 175 142 sey 1,569 1,361 1,516 1,338 1,194 1,131 xxico 357 242 247 333 210 128 rk 6,382 3,925 3,938 3,830 3,684 2,858 arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 655 94 34 34 akota 119 131 70 65 94 34 34 akota 119 131 70 65 94 34 34 akota 119 131 70 65 94 34 34 akota 605 636 637 660 474 256 sland 260 268 119 343 195 154 arolina 678 748 554		Nevada	258		373	358	254	175	77	32	1,026	2,826
sey 1,569 1,361 1,516 1,538 1,194 1,131 xico 357 242 247 333 210 128 rk 6,382 3,925 3,938 3,830 3,684 2,858 arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 65 94 34 akota 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 akota 89 112 660 538 329 akota </td <td>1,21</td> <td>New Hampshire</td> <td>251</td> <td></td> <td>208</td> <td>206</td> <td>175</td> <td>142</td> <td>82</td> <td>26</td> <td>771</td> <td>2,102</td>	1,21	New Hampshire	251		208	206	175	142	82	26	771	2,102
rk 6,382 3,925 3,938 3,830 3,684 2,858 arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 65 94 34 na 399 444 486 524 398 227 na 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195 154 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 652		New Jersev	1.569		.516	1.338	1,194	1,131	524	280	5,311	14,22
rk 6,382 3,925 3,938 3,830 3,684 2,858 arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 65 94 34 akota 119 131 70 65 94 34 1,628 2,205 1,831 2,439 1,806 1,346 na 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 vania 2,492 2,757 2,154 2,751 2,361 1,779 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 622		New Mexico	357		247	333	210	128	92	37	945	2,575
arolina 1,492 1,442 1,068 1,492 1,276 883 akota 119 131 70 65 94 34 1,628 2,205 1,831 2,439 1,806 1,346 na 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195 154 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 622	30	New York	6.382			3.830	3,684	2,858	1,913	800	16,835	44,16
akota 1,472 1,442 1,900 1,775 1,275 34 akota 11628 2,205 1,831 2,439 1,806 1,346 na 399 444 486 524 398 227 na 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195 154 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 622		Mouth Counting	-			1 492	1 276	883	554	190	5 292	13,68
na 1,628 2,205 1,831 2,439 1,806 1,346 na 399 444 486 524 398 227 vania 2,492 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195 154 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 622		North Dakota	-		70	65	94	34	30	13	279	835
na 399 444 486 524 398 227 sale 605 636 637 660 474 256 vania 2,492 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195 154 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 622		Ohio	1 628		831	2.439	1.806	1.346	773	278	8,363	20,66
vania 2,492 2,757 2,154 2,751 2,361 1,779 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 622		Oklahoma	399	-	486	524	398	227	133	42	1,646	4,299
vania 2,492 2,757 2,154 2,751 2,361 1,779 sland 260 268 119 343 195 154 arolina 678 748 554 660 538 329 akota 89 112 63 51 100 52 ee 752 1,099 833 743 963 622		Oregon	605		637	099	474	256	180	80	2,131	5,659
a 260 268 119 343 195 154 a 678 748 554 660 538 329 89 112 63 51 100 52 752 1,099 833 743 963 622		Pennsylvania	2.492		.154	2,751	2,361	1,779	1,027	376	8,336	24,03
a 678 748 554 660 538 329 89 112 63 51 100 52 752 1,099 833 743 963 622		Rhode Island	260		119	343	195	154	124	46	835	2,344
89 112 63 51 100 52 752 1,099 833 743 963 622		South Carolina	829		554	099	538	329	179	79	2,213	5,978
752 1,099 833 743 963 622		South Dakota	68	112	63	51	100	52	28	8	385	888
		Tennessee	752		833	743	963	622	410	134	4,027	9,583
Texas 2,777 3,297 3,569 2,827 2,890 1,938 1,239	and the second	Texas	2,777		695'	2,827	2,890	1,938	1,239	431	12,069	31,03

1,000	Psychiatr		Anesthesiol	Emer	Radiolog	Cardiolog	200	Endocrinolog y, Diabetes, and	All Other Specialtie		
Location	ý	Surgery	ogy	y Medicine	ý	y	Oncology	Metabolism	s	I	Total
	Utah	273	289	405	391	298	162	98	33	1.438	3.375
	Vermont	179	124	100	84	103	63	36	14	386	1,089
	Virginia	1,225	1,072	1,005	1,188	1,089	644	330	188	4,048	10,78
	Washington	066	984	1,194	1,034	1.055	485	456	117	3 925	10,24
	West Virginia	230	297	199	308	231	133	82	46	973	2.499
	Wisconsin	167	836	921	794	926	434	325	120	3.210	8 383
	Wyoming	52	89	09	73	50	18	8	4	199	532

Table B.4. Number of Dentists by State in CY 2017, Ranked by Number per 10,000 Population

Rank	Geographic Area	Total Dentists	Dentists Per 10,000 Population
	United States	186,202	5.8
1	District of Columbia	611	9.0
2	Massachusetts	5,450	8.0
3	New Jersey	6,958	7.8
4	California	29,255	7.5
5	New York	14,200	7.2
6	Connecticut	2,548	7.1
7	Maryland	4,114	6.8
8	Hawaii	971	6.8
9	Alaska	499	6.7
10	Washington	4,847	6.7
11	Colorado	3,638	6.6
12	Illinois	8,238	6.4
13	Virginia	5,082	6.0
14	Nebraska	1,143	6.0
15	Pennsylvania	7,592	5.9
16	Utah	1,786	5.9
17	New Hampshire	772	5.8
18	Michigan	5,598	5.6
19	Montana	585	5.6
20	Vermont	348	5.6
21	Kentucky	2,463	5.6
22	Minnesota	2,962	5.4
23	Arizona	3,605	5.2
24	Wisconsin	2,966	5.1
25	Idaho	861	5.1
26	North Dakota	379	5.0
27	Texas	13,913	5.0
28	Florida	10,267	5.0
29	Nevada	1,452	4.9
30	Ohio	5,727	4.9
31	Rhode Island	517	4.9
32	North Carolina	4,894	4.8
33	Wyoming	282	4.8
34	Tennessee	3,187	4.8
35	New Mexico	993	4.8
36	Iowa	1,487	4.7
37	South Dakota	405	4.7

Rank	Geographic Area	Total Dentists	Dentists Per 10,000 Population
38	Oklahoma	1,824	4.6
39	Kansas	1,350	4.6
40	South Carolina	2,263	4.6
41	Louisiana	2,134	4.6
42	Missouri	2,754	4.5
43	Maine	600	4.5
44	West Virginia	817	4.5
45	Indiana	2,913	4.4
46	Georgia	4,494	4.4
47	Oregon	1,745	4.3
48	Alabama	2,020	4.2
49	Delaware	395	4.1
50	Mississippi	1,166	3.9
51	Arkansas	1,132	3.8

References

- American Academy of Pediatrics. (1999). *Medicaid Reimbursement Survey Fixed Fee Schedule*1998/1999. Retrieved from http://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reports/1998-1999 MedicaidReimbursement https://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reports/1998-1999 MedicaidReimbursement https://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reports/1998-1999 MedicaidReimbursement https://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reports/1998-1999 MedicaidReimbursement https://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reports/1998-1999 MedicaidReimbursement https://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reports/1998-1998 Americaid Reimbursement https://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reports/1998 Americaid Reimbursement <a href="https://www.aap.org/en-us/professional-resources/Research/Medicaid%20Reimbursement%20Reimbursement%20Reimbursement%20Reimbursement%20Reimbursement%20Reimbursement%20Reimbursement%20Reimbursement%20Reimbursement%20Reimbursement%20Reimb
- American Dental Association. (2004, October). State and Community Models for Improving Access to Dental Care for the Underserved Executive Summary. Retrieved from http://www.ada.org/~/media/ADA/Advocacy/Files/topics-access-whitepaper-execsumm-ashx
- American Medical Association. (2015, May). Medicare Access and CHIP Reauthorization Act of 2015 (MACRA), H.R. 2, Pub. Law 114-10. Retrieved from https://www.acr.org/~/media/ACR/Documents/PDF/Economics/Medicare/APM/AMA_MACRAsummarybranded.pdf.
- Howell, E., Decker, S., Hogan, S., Yemane, A., &Foster, J. (2010). Declining child mortality and continuing racial disparities in the era of the Medicaid and SCHIP insurance coverage expansions. *American Journal of Public Health*, 100(12), 2500–2506. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2978187/
- Kaiser Family Foundation, State Health Facts. Retrieved on October 11, 2017, from http://www.statehealthfacts.org
- Magge, H., Cabral, H. J., Kazis, L. E., & Sommers, B. D. (2013). Prevalence and predictors of underinsurance among low-income adults. *Journal of General Internal Medicine*, 9(28), 1136-1142. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3744314/
- United States Government Accountability Office. (2012, November). Medicaid: States Made Multiple Program Changes, and Beneficiaries Generally Reported Access Comparable to Private Insurance. Retrieved from http://www.gao.gov/assets/650/649788.pdf
- United States Census Bureau. (2017). Annual Estimates of the Resident Population of the United States, Regions, and States. Retrieved on October 11, 2017 from https://www.census.gov/data/tables/2016/demo/popest/state-total.html